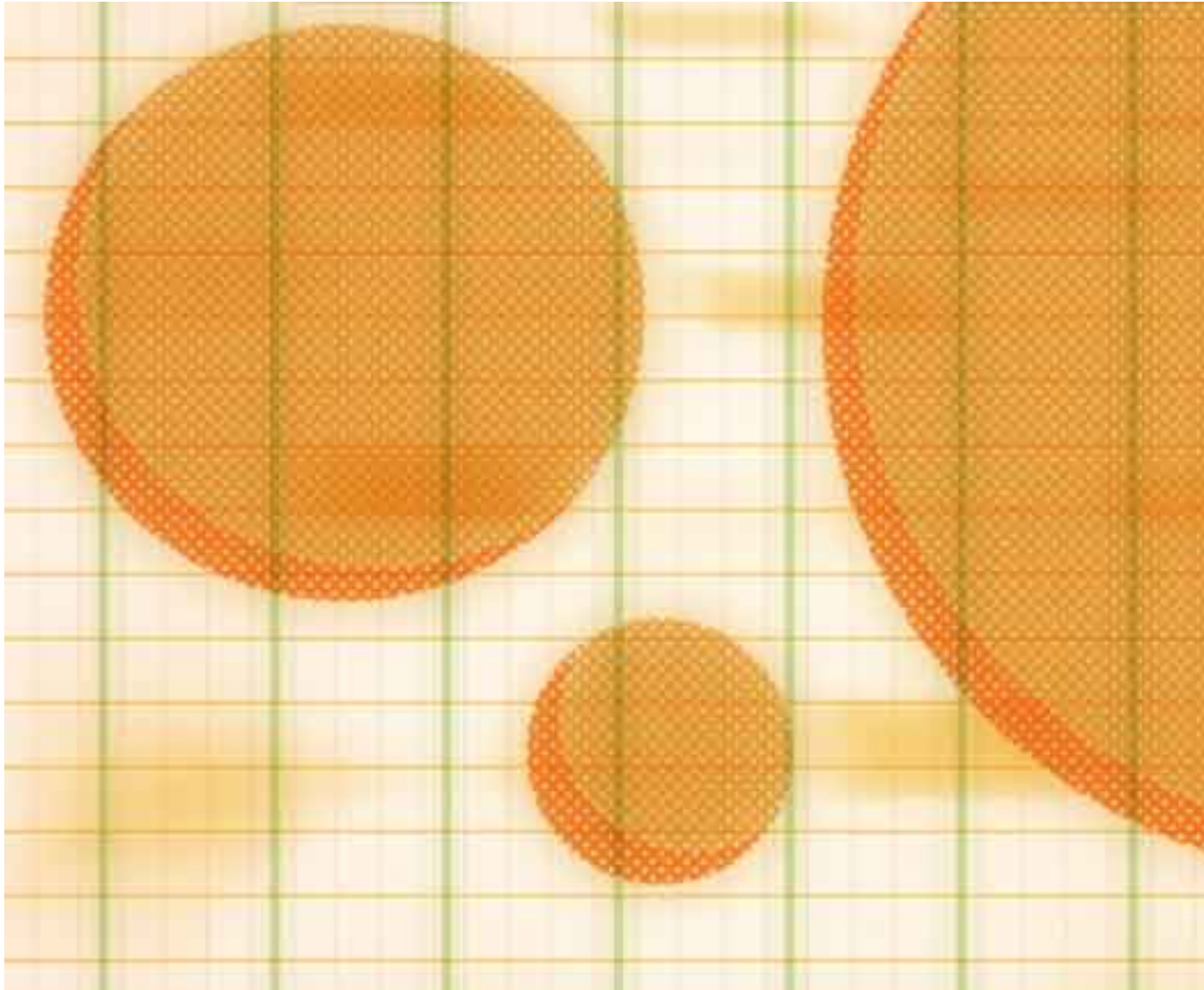


アレルギー・免疫関連製品



アレルギー・免疫関連細胞

マクロファージ系株細胞 Macrophage Lineage Cell Line

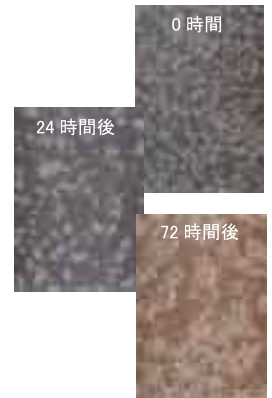
マクロファージは強い貪食作用を持つ大型細胞で、炎症反応に深く関与しています。マクロファージは生体内に異物が進入した際に活性化され、異物を貪食作用によって消化・分解するだけでなく、炎症性サイトカインである TNF や IL-1 などのさまざまなサイトカインを分泌し炎症反応を調節しています。マクロファージからのサイトカイン分泌能を調べることで、化学物質や食品の抗炎症作用等を調べることができます。

◆THP-1 のマクロファージへの分化誘導法◆

THP-1 は、Phorbol 12-myristate 13-acetate (PMA, TPA) で刺激することで分化、活性化されマクロファージに分化します。分化、活性化させた細胞に化学物質を添加することで各種化学物質のマクロファージ活性化能を調べることが可能です。

- 細胞：THP-1
- 培地：RPMI1640+10%FBS
(RPMI1640：注文 Cat.No:DSM-102、グルタミン液：注文 Cat.No:DSM-202、FBS：注文 Cat.No:29-173-54)
- 試薬：Phorbol 12-myristate 13-acetate (PMA, TPA) (Sigma-Aldrich 社)
- 器具：25cm² フラスコ (日本ベクトン・ディッキンソン社)
- 方法：1. 細胞を 25cm² フラスコ (培地量：5mL) に 1 × 10⁶ cells 播種する。
2. 24 時間培養後、10 μg/mL PMA 溶液を 5 μL 添加する。
3. 3 日間培養し、THP-1 をマクロファージに分化、活性化する。

■実験例：食品・化粧品成分などの抗炎症作用の評価 など



注文Cat.No.	メーカーCat.No.	品名	由来	容量	価格(円)
EC88081201	88081201	THP-1	ヒト単球	1vial(1 × 10 ⁶ cells)	70,000
Derived from the peripheral blood of a 1 year old male with acute monocytic leukemia. THP-1 cells have Fc and C3b receptors and lack surface and cytoplasmic immunoglobulins. These cells also stain positive for alpha-naphthyl butyrate esterase, produce lysozymes and are phagocytic (both latex beads and sensitised erythrocytes). THP-1 cells can also restore the response of purified T lymphocytes to Concanavlin A, show increased CO2 production on phagocytosis and can be differentiated into macrophage-like cells using for example DMSO.					
EC85011440	85011440	U937	ヒト組織球性リンパ腫・マクロファージ	1vial(1 × 10 ⁶ cells)	70,000
Derived from malignant cells of a pleural effusion of 37 year old caucasian male with diffuse histiocytic lymphoma. One of only a few human lines still expressing many of the monocytic like characteristics exhibited by cells of histiocytic origin.					
EC91051511	91051511	J774A.1	マウス単球	1vial(1 × 10 ⁶ cells)	85,000
Derived from a tumour in a female BALB/c mouse. Cell line produces IL-5 and lysozyme.					
EC95090612	95090612	MH-S	マウス肺泡マクロファージ	1vial(1 × 10 ⁶ cells)	98,000
The MH-S cell line was obtained from a 7 week-old male BALB/c J mouse by bronchoalveolar lavage followed by SV-40 transformation of an adherent cell enriched population of alveolar macrophages. Many properties of alveolar macrophages are expressed with the cells being phagocytic, esterase positive and peroxidase negative. The intracellular T-antigen and cell surface Ia and Mac-1 antigens are expressed as well as Fc receptors. IL-1 is constitutively expressed and can be increased by stimulation with lipopolysaccharides (LPS). A cellulose dependant suppression of the in vitro plaque-forming cell (PFC) i-response by MH-S cells has also been reported.					
EC85011439	85011439	P388.D1 (Clone 3124)	マウスリンパ腫・マクロファージ様	1vial(1 × 10 ⁶ cells)	85,000
Derivative of P388 selected for the high production of IL-1. The cells have a high effect or activity in antibody dependent cell mediated cytotoxicity.					
EC85051501	85051501	Pu-518	マウスリンパ腫・マクロファージ様	1vial(1 × 10 ⁶ cells)	85,000
Adapted to culture from a spontaneous BALB/c mouse lymphoid tumor. Thought to be of B lymphocyte origin. Resistant to dextran sulphate. Produces isoenzyme and is capable of antibody-dependent lysis of sheep erythrocytes and tumor targets.					
EC91062702	91062702	RAW264.7	マウスマクロファージ	1vial(1 × 10 ⁶ cells)	70,000
Established from an ascites of a tumor induced in a male mouse by intraperitoneal injection of Abslon leukemia Virus (A-MuLV). Cells will pinocytose neutral red and phagocytose zymosan. Cells capable of antibody dependent lysis of sheep erythrocytes and tumour targets. Growth inhibited by LPS.					
EC94062922	94062922	DH82	イヌ悪性組織球増殖症・マクロファージ	1vial(1 × 10 ⁶ cells)	98,000
Derived from a ten year old male golden retriever with malignant histiocytosis. The cells have a macrophage-like morphology and are able to phagocytose latex particles. They are positive for Fc-gamma receptors and are negative for Fc-mu and C3b receptors. DH82 cells do not produce IL-1.					

リンパ球系株細胞 Lymphoid Lineage Cell Line

注文Cat.No.	メーカーCat.No.	品名	由来	容量	価格(円)
EC98070109	98070109	BHL-89	ヒト慢性リンパ芽球性白血病	1vial(1 × 10 ⁶ cells)	98,000
The cell line BHL-89 was established from a 56 year old female patient with chronic lymphoid leukemia (CLL). The B-cell type cells were shown to express CD9, CD22, CD71,HLA-ABC, BB1, GnRH and surface IgM. Cloning efficiency in soft agar was found to be between 20-60% and population doubling time was 48 hours. BHL-89 cells are Epstein-Barr nuclear antigen (EBNA) negative. They have been shown to be tumorigenic in immunosuppressed mice, sensitive to dibromodulcitol and resistant to the phorbol ester TPA. The cell line was found to be positive for BCL-2 protein and produces small amounts of interferon. Lymphoblastoid cells and floating aggregates. The cell line has been eradicated from mycoplasma at ECACC.					
EC98052918	98052918	Clone 15 HL-60	ヒト前骨髄球性白血病	1vial(1 × 10 ⁶ cells)	98,000
The clone 15 HL-60 has been derived from HL-60 cells (ECACC catalogue no. 98070106) that had been cultured at an elevated pH of 7.6 - 7.8 for 2 months. Clone 15 HL-60 was picked from soft agar being selected for the ability to differentiate to eosinophils after treatment with butyric acid. Although 80% of the cells will exhibit this differentiation pattern initially, reversion will occur during culture leading to a higher percentage reverting to neutrophilic differentiation. Expression of IL-5 receptors and eosinophil granule proteins has been found (eosinophil major basic protein (MBP), eosinophil peroxidase (EPO), eosinophilotactions protein (ECP) and eosinophil derived neurotoxin (EDN). In addition, chemotaxis to eosinophil specific eosinophilotactius has been described.					

注文Cat.No.	メーカーCat.No.	品名	由来	容量	価格(円)
EC88041901	88041901	HUT-78	ヒトTリンパ腫・Tリンパ球	1vial(1 × 10 ⁶ cells)	85,000
Derived from peripheral blood of a 50 year old male patient with Sezary syndrome. Cells exhibit the features of a mature T cell line with inducer/helper phenotype. Biologically active IL-2 can be eluted from the cell surface.					
EC88042803	88042803	Jurkat E6.1	ヒトT細胞性白血病	1vial(1 × 10 ⁶ cells)	70,000
Derived from Jurkat FHCR. An IL-2 producing cell line, derived by incubating the cells at 41° C for 48 hours followed by a limiting dilution cloning over macrophages.					
EC96090515	96090515	JVM-2	ヒト前リンパ性白血病	1vial(1 × 10 ⁶ cells)	98,000
JVM-2 has been derived from EBV and TPA treated mononuclear cells from a 63 year old female patient with B-prolymphocytic leukemia. Thirty-three percent of cells were shown to be positive for surface lambda light chain, 37% for IgA, 29% for IgG and 3% for IgM and IgD. In addition, 50% were found to express cytoplasmic IgM and lambda light chain. Expression of the following leukocyte differentiation antigens was found: CD9, CD19, CD20, CD23, CD24, MA6, CD37, CD38, FMC1, FMC7, MHC Class I, FMC16, MHC Class II DR/DP/DQ. The immunoglobulin heavy- and light-chain genes showed the same pattern of rearrangement as in the original prolymphocytes. The cells are lymphoblastoid with large floating aggregates present. The cell line has been eradicated from mycoplasma at ECACC.					
EC90071807	90071807	KU-812	ヒト骨髓性白血病・好塩基球様	1vial(1 × 10 ⁶ cells)	85,000
A chronic myelogenous leukemia cell line with a Philadelphia chromosome. The cells are morphologically characteristic of basophils.					
EC85011413	85011413	MOLT-4	ヒト急性リンパ芽球性白血病(T細胞)	1vial(1 × 10 ⁶ cells)	85,000
A suspension culture derived from the peripheral blood of a 19 year old male with acute lymphoblastic leukemia in relapse. A stable T-cell leukemia that forms rosettes with sheep erythrocytes.					
EC85030802	85030802	RAMOS	ヒトバーキットリンパ腫・Bリンパ球様	1vial(1 × 10 ⁶ cells)	85,000
Derived from a Burkitt's lymphoma which does not possess the EBV genome. EBV infectability and permanent conversion into EBV positive sub-lines is possible by in vitro infection. The cells have B lymphocyte characteristics, with surface associated mu and kappa chains.					
EC85011429	85011429	RAJI	ヒトバーキットリンパ腫・Bリンパ球様	1vial(1 × 10 ⁶ cells)	85,000
Established in 1963 from Burkitt's lymphoma in an 11 year old Negro male. Growth is in the form of single cells without attachment and as macroscopically visible clumps containing many hundreds of cells. Resistant to VSV. This cell line carries the latent Epstein-Barr Virus (EBV) genome and is positive for EBNA. RAJI is sometimes referred to as a 'non-producer'; the EBV genome carries deletions attributed to preventing the formation of virus particles.					
EC96080128	96080128	B9	マウスBリンパ球	1vial(1 × 10 ⁶ cells)	98,000
The B cell hybridoma B9 has been cloned from the parent line B13.29 and is highly dependent on IL-6 for growth. Cells also proliferate in response to high concentrations (approximately 1000 pg/ml) of murine IL-4 and human IL-13. The cells have been used in bioassays for IL-6 of human, bovine, horse, pig, dog, rat, mouse and seal origin. For routine culture, cells are grown in 10-100 units/ml IL-6. An IL-6 assay can be carried out in a flat bottom microtiter plate in 200µl. 5000 B9 cells/well are cultured and labelled at 68-72 hours with 7.4kBq 3H-Thymidine. Samples to be tested are titrated and related to a standard preparation; 1U/ml is the concentration that leads to half-maximal 3H-Thymidine incorporation.					
EC93042610	93042610	CTLL-2	マウスTリンパ球(IL-2依存性)	1vial(1 × 10 ⁶ cells)	85,000
CTLL is a subclone of T cells derived from a C57bl/6 mouse. The cells require IL-2 for growth and are used to assay for its presence in conditioned media.					
EC85023105	85023105	EL4	マウスリンパ腫・Tリンパ球様	1vial(1 × 10 ⁶ cells)	98,000
Established from a lymphoma induced in a C57BL/6N mouse by 9,10-dimethyl-1,2-benzanthracene. The cells have been reported to produce low levels of type G (Gross) virus antigen (J Nat Cancer Inst 1972;48:265) H-2b, IL-4 and Thy-1.2 antigen. The cell line is resistant to cortisol and dexamethasone and is sensitive to PHA					
EC87020408	87020408	EL4.NOB-1	マウスリンパ腫(IL-1レセプター高発現株)	1vial(1 × 10 ⁶ cells)	98,000
Derived from EL4.BU.OU6. The cells were selected for a high level of IL-1 receptors.					
EC92021401	92021401	HT2 Clone A5E	マウスヘルパーT細胞	1vial(1 × 10 ⁶ cells)	85,000
Derived in 1979 from BALB/c spleen cells activated by sheep erythrocytes in the presence of IL-2, the A5E clone was selected to provide a homogenous population that is highly sensitive to IL-2. This cell line expresses Thy-1 and Lyt markers in addition to high affinity IL-2 receptors. Substantial proliferation is seen in the presence of IL-4 (GM-CSF).					
EC86060302	86060302	LBRM-33-1A5	マウスリンパ腫	1vial(1 × 10 ⁶ cells)	98,000
Derived from a lymphoma that occurred in a B10.BR mouse. The cells respond to Interleukin 1 (IL-1) stimulation by producing Interleukin 2 (IL-2) and can be used to assay IL-1 activity.					
EC85022107	85022107	WEHI-231	マウスリンパ腫・Bリンパ球様	1vial(1 × 10 ⁶ cells)	85,000
Expresses surface IgM but does not secrete Ig. Secretion of IgM can be induced with LPS. WEHI 231 is a B cell lymphoma of BALB/c x NXB F1 origin induced by mineral oil injection.					
EC86061001	86061001	RBL-1	ラット好塩基球性白血病	1vial(1 × 10 ⁶ cells)	98,000
Exhibits marked variations in differentiation when monitored for basophilic granule development, histamine content and membrane receptor sites for IgE.					

上記細胞は取り扱い細胞の一部です。弊社取り扱いの全ての細胞は弊社ホームページ「細胞.jp」でご確認いただけます。

アレルギー・炎症関連研究に役立つ**AbD社の抗体**も多数取り扱いしております。
 取り扱い抗体の種類や詳細は弊社ホームページでご確認ください。

<http://www.dspbio.co.jp>

DSファーマバイオメディカル

検索

AbD社は、MorphoSys社の傘下に設立された旧英国セロテック社のほか、旧Biogenesis社、旧Oxford Biotechnology社製品のブランドです。
 DSバイオではAbDブランド製品約4,000品目を追加し、合計約10,000品目強の主に抗体の販売を行っております。



取り扱い細胞の詳細やデータシートは、弊社ホームページ「細胞.jp」でご確認ください。

細胞.jp <http://www.saibou.jp/>

いのちの未来のために
 探している細胞がきっと見つかる

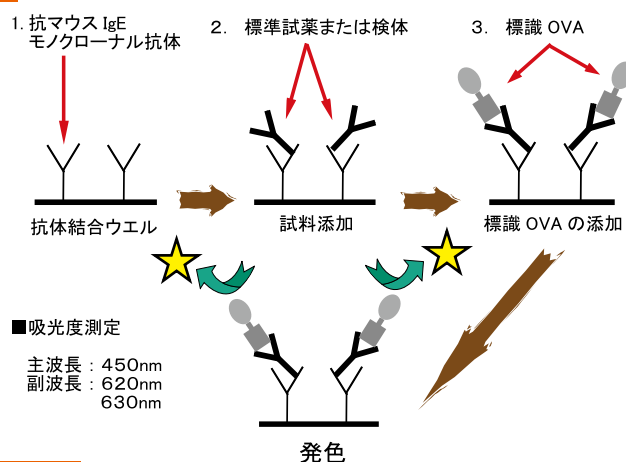


DS マウス IgE ELISA (OVA)

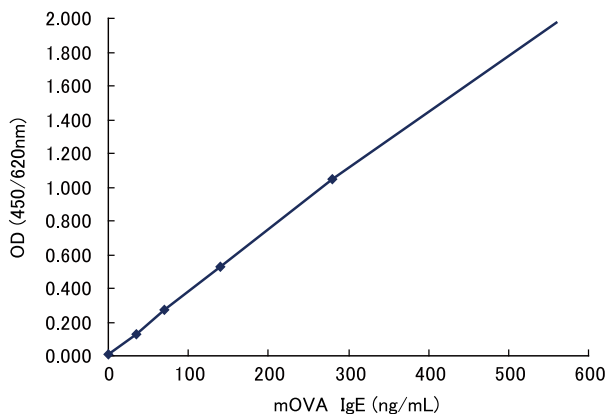
くしゃみ、鼻水、鼻づまりといったアレルギー症状の発症に肥満細胞が重要な役割を果たしていることが分かっています。アレルギー体質の人に多いIgEと呼ばれる抗体はまずIgEレセプターに結合します。その後このIgEに特異的な抗原（ダニ抗原、スギ花粉などのアレルゲン）が結合すると、IgEレセプターの凝集が起こり、これが引き金となってIgEレセプターからシグナルが伝達されアレルギーを直接引き起こすヒスタミンなどの顆粒が放出（脱顆粒）されると考えられています。そのため、アレルギー研究においてIgEの測定は必要不可欠です。本製品は、アレルギー研究の抗原として頻用されるOVA（卵白アルブミン）に特異的に反応するマウスIgEを、抗マウスIgE抗体を固相化したプレートで簡便かつ高感度に定量できるELISAキットです。



測定原理

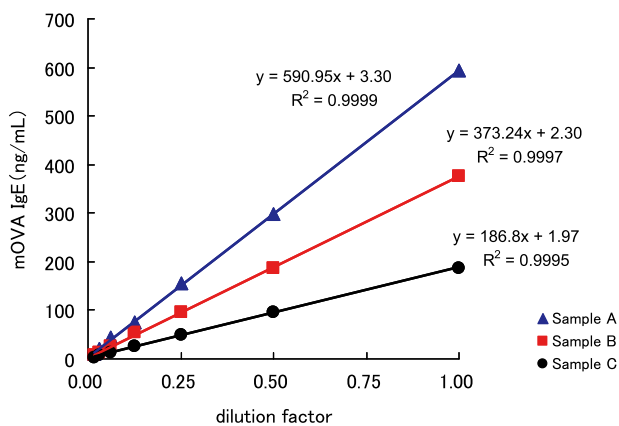


標準曲線の一例



- ◆ **簡単!**
一般的な ELISA 機器で測定が可能です。
- ◆ **迅速!**
測定時間が約2.5時間です。
- ◆ **高感度!**
OVA 特異的 IgE を 2.7ng/mL まで測定可能です。
- ◆ **抗マウス IgE 抗体固相化プレート**
mg/mL 単位の高濃度な OVA 特異的 IgG が存在している血清サンプルでも、ng/mL 単位の微量な OVA 特異的 IgE が測定できます。

OVA 免疫マウス血清の希釈試験



血清の希釈倍数と測定値に直線性があり、OVA 特異的 IgE が正確に測定できていることを示しています。

注文CatNo.	(メーカーCatNo.)	品名	容量	保存温度	価格 (税別：円)
MA-007A	(MA-007A)	DS マウス IgE ELISA (OVA)	96 回	2 ~ 10°C	49,000

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●掲載の価格は、2009年4月1日の価格です。予告なしに改定される場合がありますので、ご注文の際にご確認ください。

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