

Product datasheet

Anti-Eotaxin 2 antibody [61016.11] ab10370

製品の概要

製品名	Anti-Eotaxin 2 antibody [61016.11]
製品の詳細	Mouse monoclonal [61016.11] to Eotaxin 2
由来種	Mouse
特異性	When used as a capture antibody in human eotaxin 2 sandwich ELISAs, this antibody exhibits less than 0.03 % cross-reactivity with recombinant human eotaxin, MIP1 alpha, and MCP3.
アプリケーション	適用あり: ELISA, WB, Neutralising
種交差性	交差種: Human
免疫原	Purified recombinant human eotaxin 2, expressed in E. coli as immunogen.
特記事項	Endotoxin: <10 ng/mg antibody determined by the LAL method.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Constituent: PBS
精製度	Protein G purified
特記事項 (精製)	The antibody is purified from the IgG fraction of ascites fluid using protein G affinity chromatography.
ポリ/モノ	モノクローナル
クローン名	61016.11
アイソタイプ	IgG1

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab10370** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ELISA		

アプリケーション	Abreviews	特記事項
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WB

Neutralising

追加情報

ELISA: Use at a concentration of 2 µg/ml.

Neut: Use at a concentration of 1 - 5 µg/ml.

WB: Use at a concentration of 1 - 2 µg/ml. Predicted molecular weight: 10.6 kDa.

The detection limit for human eotaxin 2 is approximately 1 ng/lane under non-reducing and reducing conditions.

Eotaxin 2 has the ability to neutralize the biological activity of recombinant human eotaxin 2. To measure this activity, recombinant human eotaxin 2 is incubated with various concentrations of the antibody for 30 minutes at room temperature in a 96 well microplate. Following this preincubation period, 35 µl of the cytokine-antibody solution (containing recombinant human eotaxin 2 at a final concentration of 0.1 µg/ml and antibody at concentrations from 0.01 to 100 µg/ml) is transferred to the lower compartment of a 96 well chemotaxis chamber. The chemotaxis chamber is then assembled using a PVP-free polycarbonate filter (5 micron pore size) and 2 x 10⁶ cells/ well (CCR-3 transfected Y3 cells) are added to the top chamber. After incubation for 3 hours at 37 °C in a 5 % CO₂ humidified incubator, the chamber is disassembled and the cells that have migrated through to the lower chamber are transferred to a working plate and stained using MTT. Absorbance is read on a microplate reader.

The exact concentration of antibody required to neutralize recombinant human eotaxin activity is dependent on the cytokine concentration, cell type, growth conditions, and the type of activity.

The Neutralization Dose50 (ND50) for the antibody is defined as that concentration required to yield one-half maximal inhibition of the eotaxin 2 activity on a responsive cell line, when eotaxin 2 is present at a concentration just high enough to elicit a maximum response.

The Neutralization Dose50 (ND50) for this antibody is approximately 1 to 5 µg/ml in the presence of 100 ng/ml of recombinant human eotaxin 2, measuring the chemotaxis of rat myeloid Y3 cells transfected with the human CCR3 gene.

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

ターゲット情報

機能

Chemotactic for resting T-lymphocytes, and eosinophils. Has lower chemotactic activity for neutrophils but none for monocytes and activated lymphocytes. Is a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line. Binds to CCR3.

組織特異性

Activated monocytes and activated T lymphocytes.

配列類似性

Belongs to the intercrine beta (chemokine CC) family.

翻訳後修飾

N-glycosylated.

細胞内局在

Secreted.

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