Human CCL24/Eotaxin-2/MPIF-2
Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 61016

Catalog Number: FAB343G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CCL24/Eotaxin-2/MPIF-2 in ELISAs and Western blots. In sandwich ELISAs, less than 0.04% cross-reactivity with recombinant human (rh) Eotaxin, rhMIP-1α, and rhMCP-3 is observed.
Source	Monoclonal Mouse IgG_1 Clone # 61016
Purification	Protein A or G purified from ascites
Immunogen	*E. coli*-derived recombinant human CCL24/Eotaxin-2/MPIF-2 Val27-Cys119 Accession # AAB51135
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
Neutralization	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Eotaxin-2, also named MPIF-2 and Ckβ6, is a CC chemokine that is designated CCL24. Eotaxin-2 cDNA encodes a 10.5 kDa, 119 amino acid residue precursor protein with a 26 aa residue signal peptide that is cleaved to generate a mature protein predicted to contain 93 amino acid residues with an N-glycosylation site. C-terminally truncated variants with 78, 73, 75 and 76 residues have also been described. Eotaxin-2 shares 40%, 42% and 39% amino acid sequence identity with other CC chemokines CCL7/MCP-3, CCL3/MIP-1α, and CCL11/Eotaxin, respectively. Eotaxin-2 mRNA is weakly expressed in activated monocytes and T lymphocytes. Recombinant Eotaxin-2 induces chemotaxis of eosinophils, basophils, and resting T lymphocytes, but not monocytes or activated T lymphocytes. Eotaxin-2 also suppresses colony formation by high proliferative multipotential hematopoietic progenitors. On eosinophils, the effects of Eotaxin-2, Eotaxin and CCL13/MCP-4 are mediated by the receptor CCR3.

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