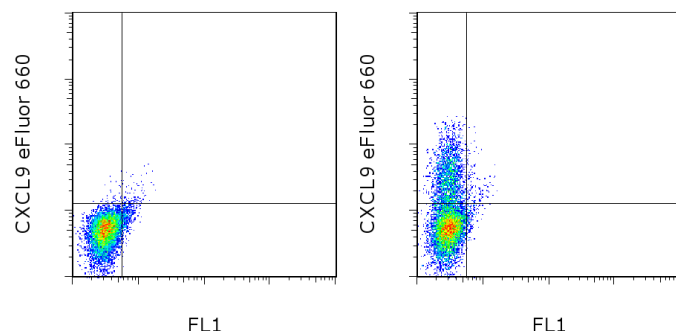


Anti-Mouse CXCL9 (MIG) eFluor® 660 (Alexa Fluor® 647 Replacement)

Catalog Number: 50-3009

Also known as: monokine induced by IFN- γ

RUO: For Research Use Only. Not for use in diagnostic procedures.



RAW 264.7 cells were unstimulated (left) or stimulated with Mouse IFN gamma Recombinant Protein (cat. 14-8311) in the presence of Brefeldin A for 16 hours. Cells were intracellularly stained with Anti-Mouse CXCL9 (MIG) eFluor® 660 using the IC Fixation & Permeabilization Buffers (cat. 88-8823) and protocol. Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CXCL9 (MIG) eFluor® 660 (Alexa Fluor® 647 Replacement)

Catalog Number: 50-3009

Clone: MIG-2F5.5

Concentration: 0.2 mg/mL

Host/Isotype: Armenian Hamster IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide



Description

The monoclonal antibody MIG-2F5.5 reacts with mouse monokine induced by IFN gamma (mig, mig-1, CXCL9). This 14.4 kDa inflammatory chemokine is specifically induced by IFN gamma, but not other activators such as LPS or IFN alpha. Secretion of mig, mainly by macrophages results in the chemotaxis of a variety of activated T cells via the CXCR3 chemokine receptor. Mig is involved many areas of research including autoimmune diseases, cancer, and inflammation.

Applications Reported

This MIG-2F5.5 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested

This MIG-2F5.5 antibody has been tested by intracellular staining and flow cytometric analysis of stimulated RAW 264.7 cells. This can be used at less than or equal to 0.25 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor® 660 is a replacement for Alexa Fluor® 647. eFluor® 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

References

Lu H, Yu M, Sun Y, Mao W, Wang Q, Wu M, Han W. Expression and purification of bioactive high-purity mouse monokine induced by IFN-gamma in Escherichia coli. *Protein Expr Purif.* 2007 Sep;55(1):132-8.

Klunker S, Trautmann A, Akdis M, Verhagen J, Schmid-Grendelmeier P, Blaser K, Akdis CA. A Second Step of Chemotaxis After Transendothelial Migration: Keratinocytes Undergoing Apoptosis Release IFN-gamma-Inducible Protein 10, Monokine Induced by IFN-gamma, and IFN-gamma-Inducible alpha-Chemoattractant for T Cell Chemotaxis Toward Epidermis in Atopic Dermatitis. *J Immunol.* 2003 Jul 15;171(2):1078-84.

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Liao F, Rabin RL, Yannelli JR, Koniaris LG, Vanguri P, Farber JM. Human Mig chemokine: biochemical and functional characterization. J Exp Med. 1995 Nov 1;182(5):1301-14.

Wong P, Severns CW, Guyer NB, Wright TM. A unique palindromic element mediates gamma interferon induction of mig gene expression. Mol Cell Biol. 1994 Feb;14(2):914-22.

Related Products

00-4506 Brefeldin A Solution (1000X)

14-8311 Mouse IFN gamma Recombinant Protein

88-8823 Fixation & Permeabilization Buffers

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