BioLegend
The path to legendary discovery™

Product Data Sheet

Purified anti-mouse CXCL9 (MIG)

Catalog # / Size: 515601 / 25 µg
515602 / 100 µg

Clone: MIG-2F5.5

Isotype: Armenian Hamster IgG, κ

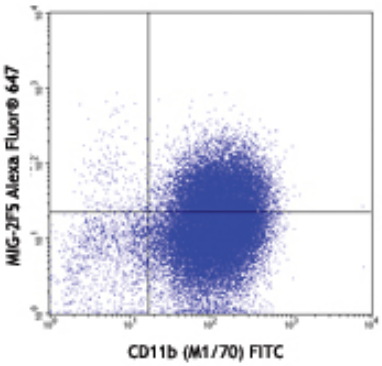
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.

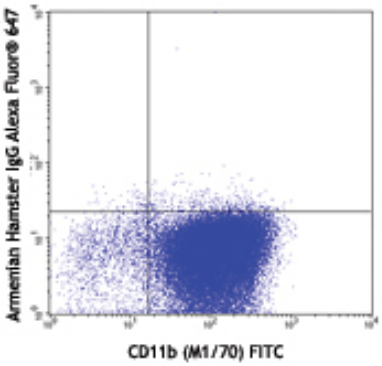


IFN-g stimulated peritoneal macrophages intracellular stained with purified MIG-2F5 conjugated to Alexa Fluor® 647 and CD11b (M1/70) FITC

Applications:

Applications: ICFC - *Quality tested*
IP - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 1.0 µg per 10^6 cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.



IFN-g stimulated peritoneal macrophages intracellularly stained with Armenian Hamster IgG Alexa Fluor® 647 and CD11b (M1/70) FITC

Description: MIG, also known as mig-1, CXCL9, is a member of the alpha subfamily of inflammatory chemokine. It is inducible in macrophages, hepatocytes, and endothelial cells by IFN-γ, but not by TNF-α or bacterial lipopolysacchrides (LPS). Mig functions as a chemotactic factor for resting memory and activated T cells, both $CD4^+$ and $CD8^+$, and natural killer cells. Furthermore, it was reported that Mig induced both calcium signals and chemotaxis in activated B cells and that B cell activation induced expression of mouse CXCR3. MIG and CXCR3 may be important not only to recruit T cells to peripheral inflammatory sites, but also in some cases to maximize interactions among activated T cells, B cells, and dendritic cells within lymphoid organs to provide optimal humoral responses to pathogens.

Antigen References:
1. Thapa M *et al.* 2008. *J. Immunol.* 180(2):1098
2. Whiting D *et al.* 2004. *J. Immunol.* 172 (12):7417
3. Helbig KJ. *et al.* 2009. *J Virol.* 83(2):836

Related Products:

Product	Clone	Application
Purified Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICC, ICFC, IF, IP, WB
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC

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