

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.

Applications:

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

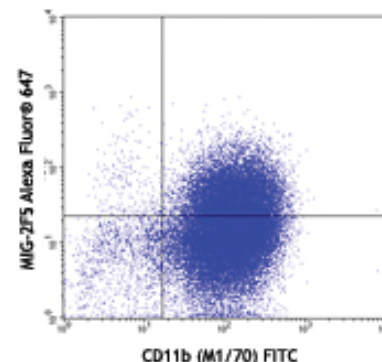
Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 1.0 µg per 10⁶ cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

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 lipopolysaccharides (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.

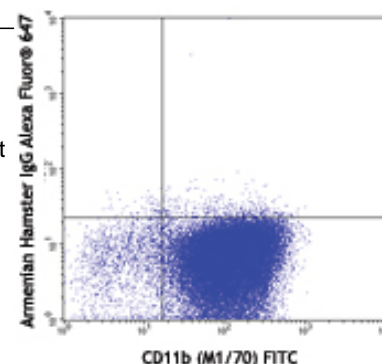
Antigen References: 1. Thapa M *et al.* 2008. *J. Immunol.* 180(2):1098
 2. Whiting D *et al.* 2004. *J. Immunol.* 172 (12):7417
 3. Helbig KJ. *et al.* 2009. *J Virol.* 83(2):836

Related Products:	Product	Clone
	Purified Armenian Hamster IgG Isotype Ctrl	HTK888
	Cell Staining Buffer	
	RBC Lysis Buffer (10X)	

Application
 FC, ICC,
 ICFC, IF, IP,
 WB
 FC, ICC, ICFC
 FC, ICFC



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



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



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