

## 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 10<sup>6</sup> 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<sup>+</sup> and CD8<sup>+</sup>, 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

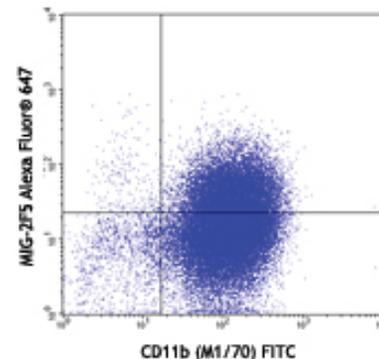
**Related Products:**

<b>Product</b>	<b>Clone</b>
Purified Armenian Hamster IgG Isotype Ctrl	HTK888

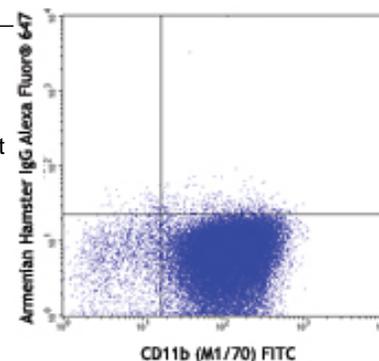
Cell Staining Buffer  
RBC Lysis Buffer (10X)

**Application**

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



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



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



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