

# Product Data Sheet

## PE anti-mouse CXCL9 (MIG)

**Catalog # / Size:** 515603 / 25 µg  
515604 / 100 µg

**Clone:** MIG-2F5.5

**Isotype:** Armenian hamster IgG, κ

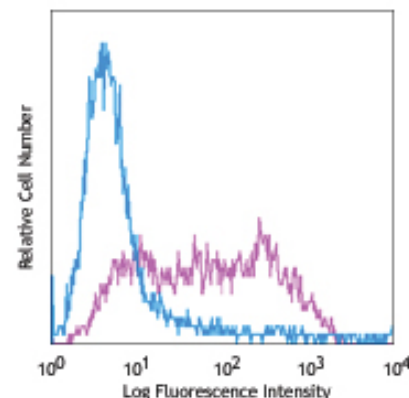
**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

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

**Concentration:** 0.2 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



*IFN-γ-primed (2 hour) and LPS-stimulated (overnight) Balb/c peritoneal macrophages intracellularly stained with MIG-2F5 PE*

## Applications:

**Applications:** ICFC - *Quality tested*

**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.

**Application References:** 1. Asai A, *et al.* 2010. *Infect Immun.* PubMed

**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:

**Product**  
PE Armenian Hamster IgG Isotype Ctrl  
Cell Staining Buffer  
RBC Lysis Buffer (10X)

**Clone**  
HTK888

**Application**  
FC, ICFC  
FC, ICC, ICFC  
FC, ICFC



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