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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

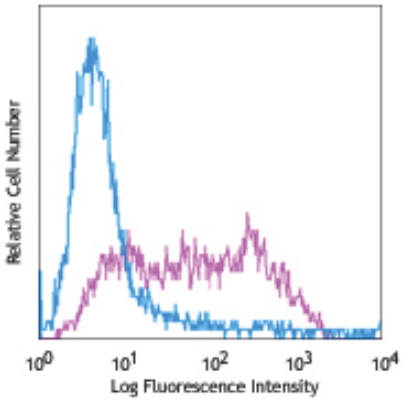
Reactivity: Mouse

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-g-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 10^6 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 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
PE Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC

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