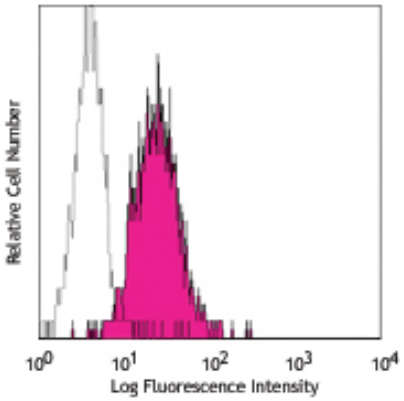
BioLegend
The path to legendary discovery™

Product Data Sheet

Purified anti-human IFN-γ R β chain

Catalog # / Size: 308502 / 100 µg
Clone: 2HUB-159
Isotype: Hamster IgG
Workshop Number: VI C-111
Immunogen: soluable extracellular domains of the human IFN-γ R β chain
Reactivity: Human
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.



Human IFN-γ Rβ transfected L929 cells stained with 2HUB-159 PE

Applications:

Applications: FC - *Quality tested*
WB, IP - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤2.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: Western blotting[2,3] and immunoprecipitation[2,3]. For most successful immunofluorescent staining results, it may be important to maximize signal over background by using a relatively bright fluorochrome-antibody conjugate (Cat. No. 308504) or by using a high sensitivity, three-layer staining technique (e.g., including a biotinylated anti-Armenian hamster IgG second step (Cat. No. 405501), followed by SAv-PE (Cat. No. 405204)). TThe LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 308506).

Application References:
1. Kishimoto T, *et al.* Eds. 1997. Leucocyte Typing VI. Garland Publishing Inc. London.
2. Bach EA, *et al.* 1996. *Mol. Cell. Biol.* 16:3214. (IP WB)
3. Rosenzweig SD, *et al.* 2004. *J. Immunol.* 173:4000. (IP WB)
4. Joseph TD, *et al.* 2001. *J. Biol. Chem.* 276:47136.
5. Choi JC, *et al.* 2007. *J. Immunol.* 178:1598.

Description: IFN-γ R β chain is a 65 kD type I transmembrane protein, also known as accessory factor (AF-1) or IFN-γRII. IFN-γ receptor is composed of an IFN-γ R α chain (CDw119) and a β chain. They are members of the class II cytokine receptor family. The α chain is required for ligand binding and ligand trafficking to the cells and also plays some role in signal transduction. The β chain is critical for delivering IFN-γ mediated pleiotropic signals. IFN-γ R β chain is broadly expressed on a variety of cells at low levels and upregulated on some activated B cells.

Antigen References:
1. Basler C, *et al.* 2002. *Int. Rev. Immunol.* 21:305.
2. Brierley M, *et al.* 2002. *J. Interferon Cytokine Res.* 22:835.

Related Products:

Product	Clone	Application
Biotin Goat anti-hamster (Armenian) IgG	Poly4055	FC, ELISA, ICFC, IHC, IF, WB
PE Streptavidin		FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
Purified anti-human CD119 (IFN-γ R α chain)	GIR-208	FC, IHC, IP, WB
Purified anti-human CD119 (IFN-γ R α chain)	GIR-94	FC, IF, IP, WB
Purified Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICC, ICFC, IF, IP, WB

BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587