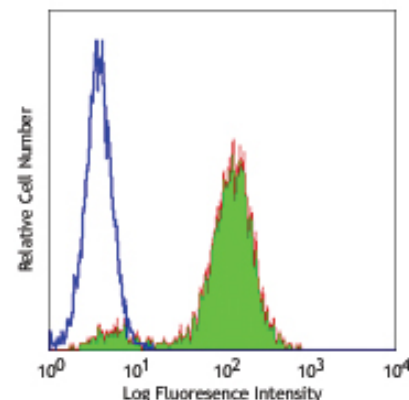


Product Data Sheet

Purified anti-human CD131

Catalog # / Size: 306102 / 100 µg
Clone: 1C1
Isotype: Mouse IgG1, κ
Immunogen: Human IL-3R β chain transfected COS cells
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.



CD131 transfected cell stained with purified 1C1, followed by anti-mouse IgG FITC

Applications:

Applications: FC - *Quality tested*
 IP, WB - *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 ≤ 0.5 µg per million cells in 100 µl volume or 100 µl of whole blood. 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^{1,2} and immunoprecipitation². The 1C1 antibody does not block binding of IL-3 and is a non-neutralizing antibody.

Application References: 1. Stomski F, *et al.* 1998. *J. Biol. Chem.* 273:1192. (WB)
 2. Stomski F, *et al.* 1999. *Blood* 94:1933. (IP WB)
 3. Mark A, *et al.* 2000. *Mol. Cell* 6:99.

Description: CD131, also known as the IL-3R common β subunit (β_c), is a 95-120 kD type I transmembrane glycoprotein and belongs to the Ig superfamily. The common β subunit associates with the specific α subunits of IL-3 receptor, IL-5 receptor and GM-CSF receptor to form high affinity receptors for these cytokines. These cytokine receptors are expressed by neutrophils, eosinophils, monocytes, endothelial cells, fibroblasts and hematopoietic progenitor cells and play a crucial role in growth/activation of eosinophils and in the inflammatory response. The 1C1 antibody is a non-blocking antibody.

Antigen References: 1. Sun Q, *et al.* 1999. *Blood* 94:1943.
 2. Woodcock J, *et al.* 1997. *Blood* 90:3005.
 3. Lopez A, *et al.* 1991. *J. Biol. Chem.* 266:24741.

Related Products:

Product
 Purified anti-human CD116
 Purified anti-human CD123
 Purified Mouse IgG1, κ Isotype Ctrl
 AKP Goat anti-mouse IgG (minimal x-reactivity)
 Biotin Goat anti-mouse IgG (minimal x-reactivity)
 HRP Goat anti-mouse IgG (minimal x-reactivity)
 PE Goat anti-mouse IgG (minimal x-reactivity)

Clone
 4H1
 6H6
 MOPC-21
 Poly4053
 Poly4053
 Poly4053
 Poly4053

Application
 FC, IP, WB, IHC
 FC, IHC, IP, WB, CyTOF®
 FC, ICFC, ICC, IF, IHC, IP, WB
 ELISA, WB, IHC
 FC, ELISA, IHC, IF, WB
 ELISA, IHC, WB
 FC



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