

anti-human CDw131

Monoclonal Antibody 1C1 to CDw131 (Human)

Cat-No: 21121311

100 µg in 100 µl

Clone: 1C1

Specificity: CD131, also known as the common β subunit (β_c), is a 95-120 kD type 1 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. It is distributed to low levels on monocytes, granulocytes, eosinophils, basophils, hematopoietic progenitors and endothelial cells.

Isotype subclass: Mouse IgG1,k

Form: The antibody was purified by affinity chromatography.

Purity: > 95% (by SDS-PAGE)

Physical state: Liquid

Buffer/Additives/Preservative: PBS with 0.09 % sodium azide (pH 7.2), filter sterilized through 0.2 micron filter.

Expiration date: The reagent is stable until the expiry date stated on the vial label

Storage conditions: Store at -20 °C.

References:

- * Sun, Q., et al., 1999. Blood 94:1943
- * Woodcock, J., et al., 1997. Blood 90:3005
- * Lopez, A., et al., 1991. J. Biol. Chem. 266:24741
- * Stomski, F.C., et al., 1999. Blood 94:1933
- * Mark, A., et al., 2000. Mol. Cell 6:99

Application: Flow Cytometry, Immunoprecipitation, Western Blot

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analyses. For immunofluorescent staining, the suggested use of this reagent is < 1.0 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.

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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