

## anti-human CDw131

CD131, also known as the common  $\beta$  subunit ( $\beta_c$ ), is a 95-120 kD type 1 transmembrane glycoprotein and belongs to the Ig superfamily. The common  $\beta$  subunit associates with the specific  $\alpha$  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.

The 1c1 antibody does not block binding of IL-3 and is a non-neutralizing antibody.

<b>Clone:</b>	1C1
<b>Isotype:</b>	Mouse IgG1
<b>Physical state:</b>	Purified from ascites by affinity chromatography
<b>Purity:</b>	> 95% (by SDS-PAGE)
<b>Buffer:</b>	PBS with 15 mM sodium azide (pH 7.4)
<b>Storage Instruction:</b>	Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.
<b>Application:</b>	Flow Cytometry, Immunoprecipitation, Western Blotting
<b>Reference:</b>	Sun, Q., et al., 1999. Blood 94:1943 Woodcock, J., et al., 1997. Blood 90:3005
<b>Quantity:</b>	0.1 mg
<b>Order N°:</b>	H12466

**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).

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