

AF/LE Purified Anti-Mouse CD132 Antibody[3E12]

Catalog Number: GF10150

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Mouse
Immunogen	Recombinant Mouse CD132 protein
Host	Rat
Isotype	Rat IgG2b, κ
Clone	3E12
Purification	>98%, Protein A/G purified
Conjugation	None (AF/LE)
Buffer	Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method.

Applications

Applications	Recommended Dilution
FCM	2 $\mu\text{g/mL}$ (0.5×10^6 - 1×10^6 cells)

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions.
Shipping	Ice bag

Background

CD132 is a 64-70 kD type I transmembrane glycoprotein of the Ig superfamily, and is also known as common γ chain (γc) or IL-2 receptor γ subunit. It is expressed broadly on T- and B-lymphocytes, NK cells, monocytes, and granulocytes. CD132 is an essential component of cytokine receptors for IL-2, IL-4, IL-7, IL-9, IL-15, and IL-21. Ligand binding induces tyrosine phosphorylation and initiates signaling through a JAK/STAT pathway. CD132 mutation results in X-linked severe combined immune deficiency (XSCID).