

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

catalog number: E-AB-F10150



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

## Description

<b>Reactivity</b>	Mouse
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2b, $\kappa$
<b>Clone</b>	3E12
<b>Conjugation</b>	None (AF/LE)
<b>buffer</b>	Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method

## Preparation & Storage

<b>Storage</b>	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.
<b>Shipping</b>	Ice bag

## Background

CD132 is a 64-70 kD type I transmembrane glycoprotein of the Ig superfamily, and is also known as common  $\gamma$  chain ( $\gamma_c$ ) or IL-2 receptor  $\gamma$  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).

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Rev. V1.7