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Biotin Anti-Mouse CD132 Antibody[3E12]

Catalog Number: E-AB-F1015B

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

Description

Reactivity Mouse Host Rat

lsotype Rat lgG2b, κ

Clone No. 3E12

Isotype Control Biotin Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843B]

Conjugation Biotin

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. For flow

cytometric staining, the suggested use of this reagent is \leq 1.0 μ g per 10⁶ cells in 100 μ L volume or 100 μ L of whole blood. It is recommended that the reagent be titrated for

optimal performance for each application.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names CD132;Cytokine receptor common subunit gamma;IL-2 receptor subunit gamma;IL-2R

subunit gamma;IL-2RG;Il2rg;Interleukin-2 receptor subunit gamma;gammaC;p64

 Uniprot ID
 P34902

 Gene ID
 16186

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).