Monoclonal Antibody to CD132
Phycoerythrin (PE) conjugated (100 tests)

Clone: TUGh4
Isotype: Rat IgG2b
Specificity: The rat monoclonal antibody TUGh4 recognizes CD132 (the common gamma chain), a 65-70 kDa type I transmembrane glycoprotein broadly expressed by most leukocytes. HLDA VI; WS Code C-89

Regulatory Status: RUO
Immunogen: Human CD132-transfected cell line
Species Reactivity: Human, Canine (Dog)
Preparation: The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.

Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage: The reagent is designed for Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

Expiration: See vial label
Lot Number: See vial label

Background: CD132 / common gamma chain is an essential component of receptors for IL-2, IL-4, IL-7, IL-9, IL-15, and IL-21, and it is critical for development of the immune system. Its mutation causes X-linked severe combined immunodeficiency disease (XSCID). CD132 is expressed on lymphocytes, NK cells, monocytes, and granulocytes. Through its cytoplasmic part which contains four tyrosines and an SH2 domain, CD132 transduces signal to downstream JAK/STAT pathway.


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