Monoclonal Antibody to CD132
Purified Antibody (0.1 mg)

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)
Application: Flow Cytometry
Purity: > 95% (by SDS-PAGE)
Purification: Purified from hybridoma culture supernatant by protein-G affinity chromatography.
Concentration: 1 mg/ml
Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability: Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
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.
References:


