



11-195-C025

Monoclonal Antibody to CD122 Purified Antibody (0.025 mg)

Clone:	TU27
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody TU27 recognizes CD122 (IL-2R beta), a 70-75 kDa type I transmembrane glycoprotein constitutively expressed by NK cells and a T cell subset, and upregulated upon activation. HLDA V; WS Code C050
Regulatory Status:	RUO
Immunogen:	TL-Mor cell line
Species Reactivity:	Human
Application:	Flow Cytometry Immunoprecipitation Functional Application blocking
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A 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:	CD122 (IL-2/IL-15R beta) constitutes together with CD132 (common gamma chain) and with CD25 (IL-2/IL15R alpha) the intermediate (CD122+CD132) and the high affinity (CD122+CD132+CD25) IL-2 and IL-15 receptor complex. CD122 is expressed on NK cells and lymphocytes, but at low level, unless the cell is activated. The cytoplasmic part of CD122 binds to Src-family and Jak-family kinases. The biological effect of CD122 ligation depends on whether IL-2 or IL-15 is bound to the receptor complex.

For laboratory research only, not for drug, diagnostic or other use.

**Antibodies****References:**

- *Huss DJ, Mehta DS, Sharma A, You X, Riestler KA, Sheridan JP, Amaravadi LS, Elkins JS, Fontenot JD: In vivo maintenance of human regulatory T cells during CD25 blockade. *J Immunol.* 2015 Jan 1;194(1):84-92.
- *Sahraoui Y, Perraki M, Theodoropoulou M, Allouche M, Tsapis A, Ammar A, Clemenceau C, Bokogiorgou S, Yacci T, Katrinakis G, Jasmin C, Georgoulas V: Autocrine IL-2-dependent growth of a newly established CD3+, CD16-, CD56+, CD57+, J(H)-, TCRbeta-, TCRgamma- leukemia cell line (NOI-90). *Leukemia.* 1997 Feb;11(2):245-52.
- *Ozawa A, Tada H, Tamai R, Uehara A, Watanabe K, Yamaguchi T, Shimauchi H, Takada H, Sugawara S: Expression of IL-2 receptor beta and gamma chains by human gingival fibroblasts and up-regulation of adhesion to neutrophils in response to IL-2. *J Leukoc Biol.* 2003 Sep;74(3):352-9.
- *Sharkey AM, Xiong S, Kennedy PR, Gardner L, Farrell LE, Chazara O, Ivarsson MA, Hiby SE, Colucci F, Moffett A: Tissue-Specific Education of Decidual NK Cells. *J Immunol.* 2015 Oct 1;195(7):3026-32.
- *Gallart T, de la Fuente MA, Barceló JJ, Alberola-Illa J, Lozano F: Desialylation of T lymphocytes overcomes the monocyte dependency of pokeweed mitogen-induced T-cell activation. *Immunology* 1997 Jan;90(1):57-65.
- *Elkins J, Sheridan J, Amaravadi L, Riestler K, Selmaj K, Bielekova B, Parr E, Giovannoni G: CD56(bright) natural killer cells and response to daclizumab HYP in relapsing-remitting MS. *Neurol Neuroimmunol Neuroinflamm.* 2015 Jan 22;2(2):e65.

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