

12-8079: Anti-Human IL-2R alpha (CD25) (Basiliximab)

Clonality :	Monoclonal
Clone Name :	Hu107
Alternative Name :	IL-2-RA; IL2-RA; TAC antigen; p55; CD25
Isotype :	Human IgG1k
Immunogen Information :	Human CD25

Description

Expression Host : HEK-293

Pathogen Testing : To protect mouse colonies from infection by pathogens and to assure that experimental preclinical data is not affected by such pathogens, all of this recombinant biosimilar antibodies are tested and guaranteed to be negative for all pathogens in the IDEXX IMPACT I Mouse Profile.

This non-therapeutic biosimilar antibody uses the same variable region sequence as the therapeutic antibody Basiliximab. Basiliximab recognizes human CD25. This product is for research use only.

CD25, a 55 kD type I transmembrane glycoprotein, has been shown to play roles in lymphocyte differentiation, activation, and proliferation. Many resting memory T cells constitutively express IL2Ralpha. It functions as the receptor for HTLV-1, resulting in its expression on neoplastic cells in adult T cell lymphoma/leukemia. CD25 (sIL-2R) has been used to track disease progression. Some additional clinical applications include Chagas disease, a disease characterized by a decline of CD25 expression on immune cells, and Multiple sclerosis, in which treatments with mAbs target CD25. Anti-Human IL-2R alpha (CD25) (Basiliximab) utilizes the same variable regions from the therapeutic antibody Basiliximab making it ideal for research projects.

Product Info

Amount :	50 µg / 100 µg
Purification :	>95% by SDS-PAGE and HPLC Concentration : \geq 5.0 mg/ml
Content :	This biosimilar antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added.
Storage condition :	Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.

Application Note

Endotoxin : \leq 1.0 EU/mg as determined by the LAL method

The suggested concentration for Basiliximab biosimilar antibody for staining cells in flow cytometry is \leq 0.25 µg per 10⁶ cells in a volume of 100 µl. Titration of the reagent is recommended for optimal performance for each application.