



Human Anti-Human CD25 (Basiliximab) Monoclonal Antibody, clone Basiliximab [Biosimilar] (CABT-Z639H)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Biosimilar Recombinant Human Monoclonal Antibody
Specificity	This non-therapeutic biosimilar antibody uses the same variable region sequence as the therapeutic antibody Basiliximab. Basiliximab recognizes human CD25.
Immunogen	Human CD25
Isotype	IgG1, κ
Source/Host	Human
Species Reactivity	Human
Clone	Basiliximab
Purification	Protein A or G purified
Conjugate	Functional Grade
Applications	BL, FC, IF, IHC, WB Recommended concentration: FC: ≤ 0.25 µg per 10 ⁶ cells in a volume of 100 µl.
Format	Liquid
Concentration	Lot specific
Size	200 µg

Buffer	0.01 M phosphate buffered saline (PBS) pH 7.2 - 7.4, 150 mM NaCl with no carrier protein, potassium, calcium or preservatives added. Endotoxin Level \leq 1.0 EU/mg as determined by the LAL method
Preservative	None
Storage	Functional grade biosimilar 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.
Ship	Wet ice

BACKGROUND

Introduction 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 IL2R α . 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.

Keywords IL2RA;interleukin 2 receptor, alpha;IL2R;interleukin-2 receptor subunit alpha;CD25;p55

GENE INFORMATION

Gene Name	IL12B
Entrez Gene ID	3559
UniProt ID	P01589