



Human Anti-Human CD11a (Efalizumab) Monoclonal Antibody, clone hu1124 [Biosimilar] (CABT-Z629H)

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 Efalizumab. Clone hu1124 recognizes human CD11a.
Immunogen	Human CD11a
Isotype	IgG1, κ
Source/Host	Human
Species Reactivity	Human
Clone	hu1124
Purification	Protein A or G purified
Conjugate	Functional Grade
Applications	BL, ELISA, FA, FC, IHC 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	CD11a and CD18 are the Integrin alpha-L and beta-2 subunits that combine to form LFA-1, a glycoprotein and a member of the Integrin family. The Integrin alpha-L/beta-2 complex is a receptor for ICAM1, ICAM2, ICAM3, ICAM4 and F11R. LFA-1 participates in the immunological synapses between CD8+ T lymphocytes and antigen-presenting cells. Efalizumab binds to the CD11a subunit of LFA-1 and acts as an immunosuppressant by inhibiting lymphocyte activation and cell migration out of blood vessels into tissues. Anti-Human CD11a (Efalizumab) utilizes the same variable regions from the therapeutic antibody Efalizumab making it ideal for research projects.
Keywords	ITGAL;integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1;alpha polypeptide);CD11A;integrin alpha-L;LFA 1

GENE INFORMATION

Gene Name	ITGAL
Entrez Gene ID	3683
UniProt ID	P20701