



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

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| 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 |

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| 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

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| 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

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| Gene Name | ITGAL |
| Entrez Gene ID | 3683 |
| UniProt ID | P20701 |