Anti-CD11a (Efalizumab), Human IgG1 Antibody

CATALOG NO: A1089-200
ALTERNATIVE NAMES: LFA-1; integrin alpha L
AMOUNT: 200 µg
IMMUNOGEN: Efalizumab binds to CD11a, a subunit of leukocyte function antigen-1 (LFA-1), which is expressed on all leukocytes.
ISOTYPE /FORMAT: Human IgG1, kappa
CLONALITY: Monoclonal
CLONE: hu1124
SPECIES REACTIVITY: Human
FORM: Liquid
PURIFICATION: Affinity purified using Protein A
FORMULATION: Supplied in PBS with preservative (0.02% Proclin 300)
STORAGE CONDITIONS: Store at 4°C for up to 3 months. For long term storage, aliquot and freeze at -20°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION: Recombinant monoclonal antibody to CD11a. Manufactured using recombinant technology with variable regions (i.e. specificity) from the therapeutic antibody hu1124 (Efalizumab).

BACKGROUND: Integrin alpha-L/beta-2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. It is involved in a variety of immune phenomena including leukocyte-endothelial cell interaction, cytotoxic T-cell mediated killing, and antibody dependent killing by granulocytes and monocytes.

APPLICATION: Efalizumab binds to the LFA-1 alpha L domain blocking the ICAM-1 binding site via steric hindrance.


Flow-cytometry using the anti-CD11a research biosimilar antibody Efalizumab:
Human lymphocytes were stained with an isotype control or the rabbit-chimeric version of Efalizumab at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using AF488 conjugated donkey anti-rabbit antibody and analyzed on a FACSCanto flow-cytometer.

RELATED PRODUCTS:
- Anti-VEGF (Bevacizumab), humanized Antibody (Cat. No. A1045-100)
- Anti-HER2 (Trastuzumab), humanized Antibody (Cat. No. A1046-100)
- Anti-EGFR (Cetuximab), Chimeric Antibody (Cat. No. A1047-100)
- Anti-TNF-alpha (Abalumab), humanized Antibody (Cat. No. A1048-100)
- Anti-CD20 (Rituximab), Chimeric Antibody (Cat. No. A1049-100)
- Anti-EGFR (Panitumumab), humanized antibody (Cat. No. A1050-100)
- Anti-OX40L (Oxelumab), Human IgG1 Antibody (Cat. No. A1088-200)
- Anti-EGFR (Matuzumab), Human IgG1 Antibody (Cat. No. A1090-200)
- Anti-CD4 (Clenoliximab), Human IgG4 Antibody (Cat. No. A1091-200)
- Anti-TNF alpha (Hemicade), Human IgG4 Antibody (Cat. No. A1093-200)
- Anti-CD40L (Ruplizumab), Human IgG1 Antibody (Cat. No. A1094-200)
- Anti-Human Ephrin Type A receptor 2 (1C1), Human IgG1 Antibody (Cat. No. A1095)
- Anti-TNF alpha (Infliximab), Human IgG1 Antibody (Cat. No. A1097-200)
- Anti-IL-2R alpha (CD25) (Basiliximab), Human IgG1 Antibody (Cat. No. A1098-200)
- Anti-IL-2R alpha (Daclizumab), Human IgG1 Antibody (Cat. No. A1099-200)

FOR RESEARCH USE ONLY! Not to be used on humans.