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Anti-Integrin aL / ITGAL / CD11a Reference Antibody (efalizumab)

Recombinant Antibody
Catalog # APR10369

Specification

Anti-Integrin aL / ITGAL / CD11a Reference Antibody (efalizumab) - Product Information

Application	**FC, E, FTA**
Primary Accession	P20701
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**146.14 KDa**

Anti-Integrin aL / ITGAL / CD11a Reference Antibody (efalizumab) - Additional Information

Target/Specificity
Integrin aL / ITGAL / CD11a

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Storage
-80°C for 2 years under sterile conditions -20°C for 1 year under sterile conditionsAvoid repeated freeze-thaw cycles.

Anti-Integrin aL / ITGAL / CD11a Reference Antibody (efalizumab) - Protein Information

Name ITGAL (HGNC:6148)

Synonyms CD11A

Function
Integrin ITGAL/ITGB2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. Integrin ITGAL/ITGB2 is a receptor for F11R (PubMed:11812992, PubMed:15528364). Integrin ITGAL/ITGB2 is a receptor for the secreted form of ubiquitin-like protein ISG15; the interaction is mediated by ITGAL (PubMed:<a

href="http://www.uniprot.org/citations/29100055" target="_blank">29100055). 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. Contributes to natural killer cell cytotoxicity (PubMed:15356110). Involved in leukocyte adhesion and transmigration of leukocytes including T-cells and neutrophils (PubMed:11812992). Required for generation of common lymphoid progenitor cells in bone marrow, indicating a role in lymphopoiesis (By similarity). Integrin ITGAL/ITGB2 in association with ICAM3, contributes to apoptotic neutrophil phagocytosis by macrophages (PubMed:23775590).

Cellular Location
Cell membrane; Single-pass type I membrane protein

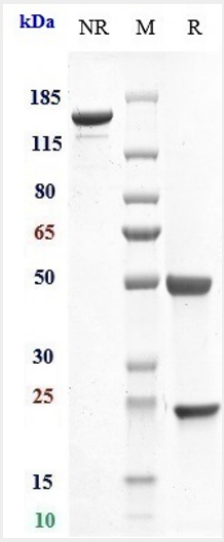
Tissue Location
Leukocytes.

Anti-Integrin aL / ITGAL / CD11a Reference Antibody (efalizumab) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Integrin aL / ITGAL / CD11a Reference Antibody (efalizumab) - Images



Anti-Integrin aL / ITGAL / CD11a Reference Antibody (efalizumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

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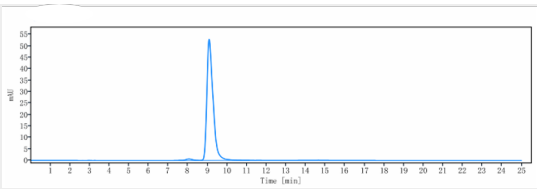

The purity of Anti-Integrin aL / ITGAL / CD11a Reference Antibody (efalizumab)is more than 98.77% ,determined by SEC-HPLC.