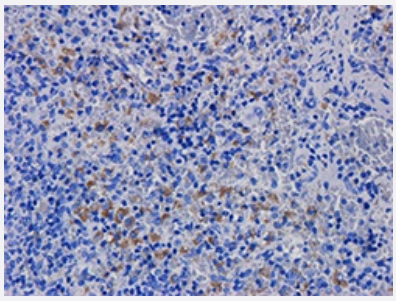
RecomAb™

ITGAL recombinant monoclonal antibody, clone hu1124 (Efalizumab)

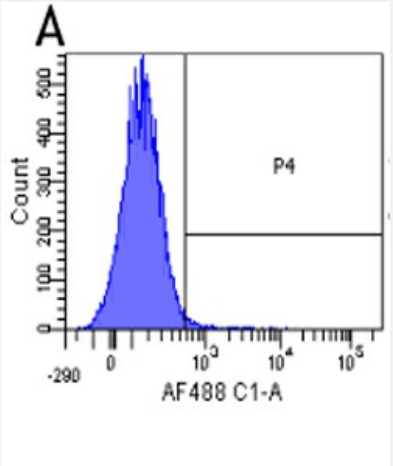
Catalog # RAB01131 Size 200 ug

Applications



Immunohistochemistry

Immunohistochemistry analysis of Anti-CD11a staining of formaldehyde fixed paraffin embedded rat spleen tissue, at 40x magnification. The human IgG1-chimeric version of hu1124 was used to stain samples at a concentration of 3 ug/mL.



Flow Cytometry

Flow-cytometry were stained with an isotype control at a concentration of 1 ug/mL for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human CD11a.
Antibody Species	Mouse
Immunogen	Original antibody is raised against Efalizumab binds to CD11a, a subunit of leukocyte function antige n-1, which is expressed on all leukocytes.

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Reactivity	Human
Specificity	Binds to human LFA-1.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A affinity purification
Isotype	IgG2a, Kappa
Recommend Usage	Flow cytometry Immunohistochemistry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Applications

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Gene Info — ITGAL

Entrez GeneID	3683
Protein Accession#	P20701
Gene Name	ITGAL
Gene Alias	CD11A, LFA-1, LFA1A
Gene Description	integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)
Omim ID	153370

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Gene Ontology	Hyperlink
Gene Summary	ITGAL encodes the integrin alpha L chain. Integrins are heterodimeric integral membrane protein s composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combine s with the beta 2 chain (ITGB2) to form the integrin lymphocyte function-associated antigen-1 (LF A-1), which is expressed on all leukocytes. LFA-1 plays a central role in leukocyte intercellular adh esion through interactions with its ligands, ICAMs 1-3 (intercellular adhesion molecules 1 through 3), and also functions in lymphocyte costimulatory signaling. Two transcript variants encoding diffe rent isoforms have been found for this gene. [provided by RefSeq
Other Designations	LFA-1 alpha|antigen CD11A (p180), lymphocyte function-associated antigen 1, alpha polypeptide |integrin alpha L|integrin gene promoter|lymphocyte function-associated antigen 1

Pathway

- Cell adhesion molecules (CAMs)
- Leukocyte transendothelial migration
- Natural killer cell mediated cytotoxicity
- Regulation of actin cytoskeleton

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Helicobacter Infections
- Stomach Ulcer

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