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Anti-CD11a-Biotin-labled

Catalog # AP100489

Product Information

Application	FC, IF/IC
Primary Accession	P24063
Reactivity	Mouse
Clonality	Monoclonal
Calculated MW	128314

Additional Information

Gene ID	16408
Other Names	CD11A; Integrin alpha-L; CD11 antigen-like family member A; Leukocyte adhesion glycoprotein LFA-1 alpha chain; LFA-1A; Leukocyte function-associated molecule 1 alpha chain; CD11a
Target/Specificity	Recognizes mouse CD11a
Dilution	FC~~1:10~50 IF/IC~~N/A
Format	Rat IgG2a kappa. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	Itgal {ECO:0000312|MGI:MGI:96606}
Synonyms	Lfa-1, Ly-15
Function	Integrin ITGAL/ITGB2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4 (PubMed:2051027). Integrin ITGAL/ITGB2 is a receptor for F11R. Integrin ITGAL/ITGB2 is a receptor for the secreted form of ubiquitin-like protein ISG15; the interaction is mediated by ITGAL (PubMed: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. Involved in leukocyte adhesion and transmigration of leukocytes including T-cells and neutrophils (PubMed:16234355, PubMed:24158516). Acts as a platform at the immunological synapse to translate TCR engagement and density of the ITGAL ligand ICAM1 into graded adhesion (By similarity). Required for generation of common lymphoid progenitor cells in bone marrow, indicating a role in lymphopoiesis (PubMed:25108025). Integrin ITGAL/ITGB2 in association with ICAM3, contributes to apoptotic neutrophil phagocytosis by macrophages (By similarity). Integrins ITGAL:ITGB2 functions

	as a receptor of the neuron-specific adhesion molecule ICAM5 ensuring neuron cell-leukocyte adhesion. Integrin ITGAL/ITGB2 that functions as a signaling receptor of ICAM2, ensuring leukocyte cell-cell adhesion on resting cells (By similarity).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:P20701}; Single-pass type I membrane protein. Membrane raft {ECO:0000250|UniProtKB:P20701}. Note=Upon antigen recognition by the TCR, is recruited to lipid rafts. {ECO:0000250|UniProtKB:P20701}
Tissue Location	Leukocytes.

Background

Biotin-labled rat monoclonal antibody to CD11a

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.