

PerCP Anti-CD11b antibody [DCIS1/18] α b91145

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Overview

Product name	PerCP Anti-CD11b antibody [DCIS1/18]
Description	PerCP Mouse monoclonal [DCIS1/18] to CD11b
Host species	Mouse
Conjugation	PerCP. Ex: 482nm, Em: 675nm
Specificity	Integrin heterodimer of MW 165,95kD which comprises the receptor (CR3 α chain, CD11b/CD18) for the complement component C3i. The CR3 receptor is expressed as a surface molecule by circulating monocytes and granulocytes and also by dendritic reticulum cells in sections of lymphoid tissue. Expression is increased on activated granulocytes.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human CD11b. Immunogen: Dendritic cells derived from human monocytes.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.2
Purity	Immunogen affinity purified
Clonality	Monoclonal
Clone number	DCIS1/18
Isotype	IgG2a

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab91145 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt	★☆☆☆☆ (7)	Use at an assay dependent concentration. ab110422 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

Target

Function

Integrin alpha-M/beta-2 is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles. It is identical with CR-3, the receptor for the iC3b fragment of the third complement component. It probably recognizes the R-G-D peptide in C3b. Integrin alpha-M/beta-2 is also a receptor for fibrinogen, factor X and ICAM1. It recognizes P1 and P2 peptides of fibrinogen gamma chain.

Tissue specificity

Predominantly expressed in monocytes and granulocytes.

Involvement in disease

Genetic variations in ITGAM has been associated with susceptibility to systemic lupus erythematosus type 6 (SLEB6) [MIM:609939]. Systemic lupus erythematosus (SLE) is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.

Sequence similarities

Belongs to the integrin alpha chain family.
Contains 7 FG-GAP repeats.
Contains 1 VWFA domain.

Domain

The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.

Cellular localization

Membrane.

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