

FITC Anti-CD11b antibody [2F4/11] ab34444

Overview

Product name	FITC Anti-CD11b antibody [2F4/11]
Description	FITC Mouse monoclonal [2F4/11] to CD11b
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Specificity	ab34444 is expressed on granulocytes, monocytes and alveolar macrophages, but not on lymphocytes, erythrocytes or platelets.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Pig
Immunogen	Tissue, cells or virus corresponding to Pig CD11b. Immunogen is Porcine alveolar macrophages.
Positive control	CD11b marker is expressed on granulocytes, monocytes and alveolar macrophages.
General notes	<p>ab34444 is reported to block phagocytosis of complement-opsonised zymosan particles by polymononuclear granulocytes and alveolar macrophages.</p> <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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Protein G purified
Primary antibody notes	ab34444 is reported to block phagocytosis of complement-opsonised zymosan particles by polymononuclear granulocytes and alveolar macrophages.

Clonality	Monoclonal
Clone number	2F4/11
Myeloma	x63-Ag8.653
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab34444 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		Use at an assay dependent concentration. Neat - 1/10. Use 10ul of the suggested working dilution to 1x10 ⁶ cells in 100ul. ab91356 - Mouse monoclonal IgG1, 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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