abcam

Product datasheet

Anti-CD11b antibody [DCIS1/18] (OC515) ab123636

1 Image

Overview

Product name	Anti-CD11b antibody [DCIS1/18] (OC515)
Description	Mouse monoclonal [DCIS1/18] to CD11b (OC515)
Host species	Mouse
Conjugation	OC515. Ex: 405nm, Em: 515nm
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	Dendritic cells derived from human monocytes
Positive control	Normal Human Peripheral Blood cells.
General notes	OC515 (Abs/Em Max:405/518nm). Direct replacement for Pacific Orange®.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.20 Preservative: 0.09% Sodium azide
Purity	Protein A purified
Clonality	Monoclonal
Clone number	DCIS1/18
Isotype	IgG2a

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab123636 in the following tested applications.

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

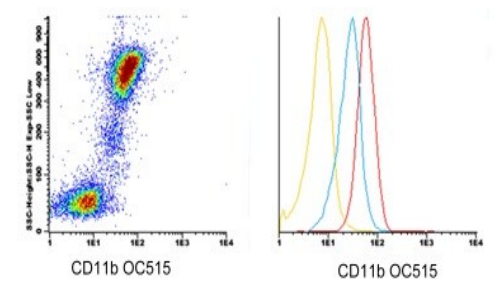
Application	Abreviews	Notes

Application	Abreviews	Notes
Flow Cyt		Use 5µl for 10^6 cells. **ab126028** - 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.

Images



Flow Cytometry - Anti-CD11b antibody [DCIS1/18] (OC515) (ab123636)

ab123636, at 5 µl/10^6 cells, staining CD11b in normal Human peripheral blood cells by Flow Cytometry.

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