

Product datasheet

Anti-LFA3 antibody [HI58α] (CF405M) ab117738

1 Image

Overview

Product name	Anti-LFA3 antibody [HI58α] (CF405M)
Description	Mouse monoclonal [HI58α] to LFA3 (CF405M)
Conjugation	CF405M. Ex: 408nm, Em: 452nm
Specificity	ab117738 is recommended for use in flow cytometry for identification of erythrocytes, platelets, monocytes, bone marrow cells, a lymphocyte subset and epithelial and endothelial cells.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Peripheral Blood Mononuclear Cell
Positive control	Normal Human peripheral blood cells
General notes	

ab117738 recognizes the Human CD58 cell surface antigen. CD58 is a cell adhesion molecule, which plays a critical role in facilitation of antigen specific recognition through interaction with CD2 on T lymphocytes. It is a member of the immunoglobulin superfamily of molecules. CD58 has a wide tissue distribution, being present on erythrocytes, platelets, monocytes, a subset of lymphocytes, bone marrow cells, epithelium, and endothelial cells. There are approximately 5,000 CD58 molecules on each erythrocyte. There is reduced expression of CD58 on haemopoietic cells in individuals with paroxysmal nocturnal haemoglobinuria

CF405M (Abs/Em Max: 408/450nm). Direct replacement for Pacific Blue dye[®], BD Horizon™ V450.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.20 Preservative: 0.09% Sodium azide
Purity	Immunogen affinity purified
Primary antibody notes	ab117738 recognizes the Human CD58 cell surface antigen. CD58 is a cell adhesion molecule, which plays a critical role in facilitation of antigen specific recognition through interaction with CD2 on T lymphocytes. It is a member of the immunoglobulin superfamily of molecules. CD58 has a wide tissue distribution, being present on erythrocytes, platelets, monocytes, a subset of lymphocytes, bone marrow cells, epithelium, and endothelial cells. There are approximately 5,000 CD58 molecules on each erythrocyte. There is reduced expression of CD58 on

Clonality	Monoclonal
Clone number	HI58a
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab117738** in the following tested applications.

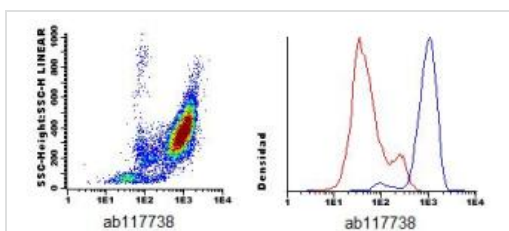
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 5µl for 10 ⁶ cells. ab126026 -Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function	Ligand of the T-lymphocyte CD2 glycoprotein. This interaction is important in mediating thymocyte interactions with thymic epithelial cells, antigen-independent and -dependent interactions of T-lymphocytes with target cells and antigen-presenting cells and the T-lymphocyte rosetting with erythrocytes. In addition, the LFA-3/CD2 interaction may prime response by both the CD2+ and LFA-3+ cells.
Sequence similarities	Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
Cellular localization	Cell membrane.

Anti-LFA3 antibody [HI58a] (CF405M) images



Flow Cytometry - Anti-LFA3 antibody [HIM3-4]
(CF405M) (ab117738)

Staining of normal Human peripheral blood cells with ab117738. Cells in the Lymphocytes gate were used for analysis (red histogram).

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