

Product datasheet

Anti-CD81 antibody [M38] (Allophycocyanin) ab233259

1 Image

Overview

Product name	Anti-CD81 antibody [M38] (Allophycocyanin)
Description	Mouse monoclonal [M38] to CD81 (Allophycocyanin)
Host species	Mouse
Conjugation	Allophycocyanin. Ex: 645nm, Em: 660nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Rabbit, Cat, Human
Immunogen	Tissue, cells or virus corresponding to CD81. MOLT-4 (human T-ALL cell line).
Positive control	Flow Cytometry: Human peripheral blood cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	Preservative: 0.0975% Sodium azide Constituent: PBS
Purity	Size exclusion
Clonality	Monoclonal
Clone number	M38
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab233259** in the following tested applications.

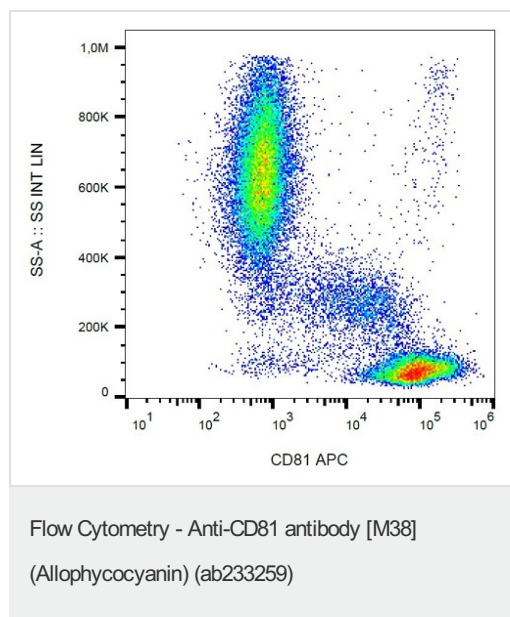
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 10µl for 10 ⁶ cells.

Target

Function	May play an important role in the regulation of lymphoma cell growth. Interacts with a 16-kDa Leu-13 protein to form a complex possibly involved in signal transduction. May acts a the viral receptor for HCV.
Tissue specificity	Hematolymphoid, neuroectodermal and mesenchymal tumor cell lines.
Involvement in disease	Defects in CD81 are the cause of immunodeficiency common variable type 6 (CVID6) [MIM:613496]; also called antibody deficiency due to CD81 defect. CVID6 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B cells is usually in the normal range, but can be low.
Sequence similarities	Belongs to the tetraspanin (TM4SF) family.
Post-translational modifications	Not glycosylated.
Cellular localization	Membrane.

Images



Surface staining of CD81 in human peripheral blood cells with ab233259. Gated on leukocytes.

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