

Product datasheet

Anti-CD81 antibody [1D6] (FITC) ab33139

Overview

Product name	Anti-CD81 antibody [1D6] (FITC)
Description	Mouse monoclonal [1D6] to CD81 (FITC)
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Specificity	This antibody is specific for CD81.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human, Chimpanzee
Immunogen	Tissue, cells or virus corresponding to Human CD81. Tissue/ cell preparation (Human): OCI-LY8 cells aggregated by 5A6 (another CD81 antibody).
General notes	Fusion Partners: Spleen cells from immunised BALB/c mice were fused with cells of the mouse PX3-Ag.8.653 myeloma cell line.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
Purity	Protein G purified
Purification notes	Purified IgG prepared from tissue culture supernatant.
Clonality	Monoclonal
Clone number	1D6
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab33139** 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. ab91356 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

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.

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