abcam

Product datasheet

Anti-CD81 antibody [Eat2] (Biotin) ab36438

1 References

Overview

Product name	Anti-CD81 antibody [Eat2] (Biotin)
Description	Armenian hamster monoclonal [Eat2] to CD81 (Biotin)
Host species	Armenian hamster
Conjugation	Biotin
Specificity	ab36438 recognises mouse and rat CD81, a 26kD cell surface glycoprotein that is also known as TAPA-1.
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Mouse, Rat
Immunogen	38C13, murine B cell line.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
Purity	Protein G purified
Clonality	Monoclonal
Clone number	Eat2
Isotype	IgG1

Applications

Our Abpromise guarantee covers the use of **ab36438** 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		

Application notes	Flow Cyt: Use neat. Use 10ul of the suggested working dilution to label 10^6 cells in 100ul. Not yet tested in other applications. Optimal dilutions/concentrations should be determined by the end user.

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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