abcam

Product datasheet

APC/Cy7® Anti-CD81 antibody [M38], prediluted ab200565

Overview

Product name	APC/Cy7® Anti-CD81 antibody [M38], prediluted
Description	APC/Cy7® Mouse monoclonal [M38] to CD81, prediluted
Host species	Mouse
Conjugation	APC/Cy7®. Ex: 650nm, Em: 774nm
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Rabbit, Cat, Human
Immunogen	Tissue, cells or virus corresponding to Human CD81. MOLT4 cells.
Positive control	Human blood and blood cells.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.098% Sodium azide Constituents: 99% PBS, 0.2% BSA High grade protease free BSA
Purity	Size exclusion
Purification notes	ab200565 is conjugated with tandem dye APC-Cy under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.
Clonality	Monoclonal
Clone number	M38

Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab200565 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 at an assay dependent concentration. 4 ul / 100 ul of whole blood.

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.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors