

Product datasheet

Anti-CD79b antibody [HM79-11] (FITC) ab23522

Overview

Product name	Anti-CD79b antibody [HM79-11] (FITC)
Description	Armenian Hamster monoclonal [HM79-11] to CD79b (FITC)
Host species	Armenian hamster
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	Full length native CD79 alpha/CD79 beta heterodimer purified from WEH1231 B cells. (Mouse).
General notes	FITC : Protein (molar ratio): 7.5 : 1.0.

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
Clonality	Monoclonal
Clone number	HM79-11
Myeloma	x63-Ag8.653
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab23522** 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 10µl for 10⁶ cells in 100µl.

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function	Required in cooperation with CD79A for initiation of the signal transduction cascade activated by the B-cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Enhances phosphorylation of CD79A, possibly by recruiting kinases which phosphorylate CD79A or by recruiting proteins which bind to CD79A and protect it from dephosphorylation.
Tissue specificity	B-cells.
Involvement in disease	Defects in CD79B are the cause of agammaglobulinemia type 6 (AGM6) [MIM:612692]. It is a primary immunodeficiency characterized by profoundly low or absent serum antibodies and low or absent circulating B cells due to an early block of B-cell development. Affected individuals develop severe infections in the first years of life.
Sequence similarities	Contains 1 Ig-like V-type (immunoglobulin-like) domain. Contains 1 ITAM domain.
Post-translational modifications	Phosphorylated on tyrosine upon B-cell activation.
Cellular localization	Cell membrane. Following antigen binding, the BCR has been shown to translocate from detergent-soluble regions of the cell membrane to lipid rafts although signal transduction through the complex can also occur outside lipid rafts.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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