

CD79a Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX00058

Clone# RR662

Predicted Molecular Wt: 25kDa
Species Cross-reactivity: Human
Species cross-reactivity determined by WB

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P11912

Applications: WB IHC-P FC

Background:

Required in cooperation with CD79b for initiation of the signal transduction cascade activated by binding of antigen to the B-cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Also required for BCR surface expression and for efficient differentiation of pro- and pre-B-cells. Stimulates SYK autophosphorylation and activation. Binds to BLNK, bringing BLNK into proximity with SYK and allowing SYK to phosphorylate BLNK.

Immunogen:

A synthetic peptide corresponding to the N-term of CD79a was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-20°C.

Storage instructions:

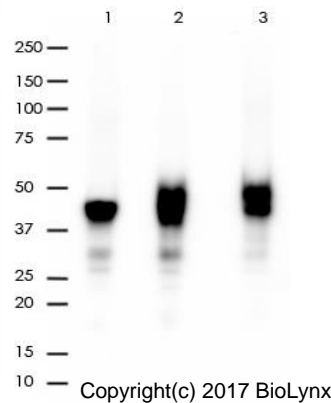
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

WB: 1:1,000 - 1:2,000
 IHC-P: 1:6,400 - 1:12,800
 FC: 1:800 - 1:2,000

Background References:

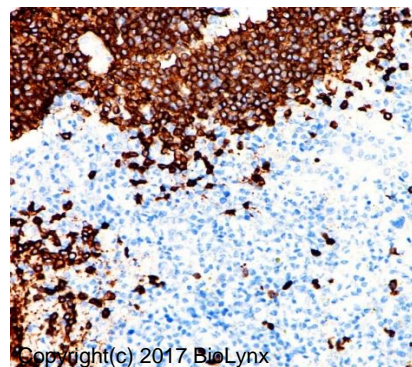
- Lopez D et al. Blood 124:1232-41 (2014).
- Cuttica MJ et al. Am J Respir Cell Mol Biol 45:62-71 (2011).



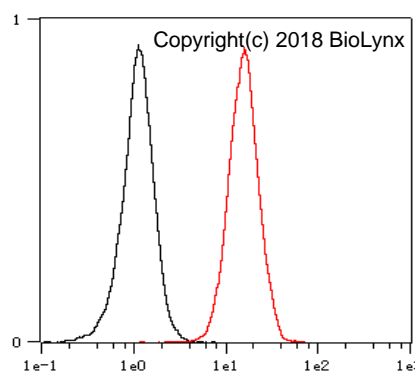
All lanes: Anti-CD79a antibody at 1:1,000 dilution
 Predicted MW: 25 kDa
 Observed MW: 45-48 kDa

Lane 1: Raji
 Lane 2: Ramos
 Lane 3: Daudi

Lysate at 10 µg per lane
 2nd Ab:
 GAR HRP(H+L) 1:5,000
 Exposure: 20s

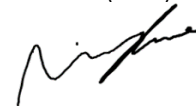


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of tonsil tissue labelling CD79a with RR662 at 1:12,800. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.



Overlay histogram showing Ramos cells stained with RR662 (Red). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% TritonX-100 for 15 min. The cells were then incubated in the antibody (RR662, 1:2,000 dilution) in 1x PBS/1% BSA for 30 min at room temperature. The secondary antibody used was a Goat Anti-Rabbit Alexa Fluor® 488 (IgG H+L) at 1:2,000 dilution for 20 min at room temperature. Unlabelled sample (Black) was used as a control.

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.