

## CD79a polyclonal antibody

Catalog: BS90259

Host: Rabbit

Reactivity: Human

### Background:

The mb-1 gene codes for a phosphoprotein, designated CD79a, that, together with the related CD79b protein, forms a dimer associated with membrane-bound immunoglobulin in B-cells. The CD79a/CD79b dimer is closely associated with the B-cell antigen receptor, in a similar manner to the association of CD3 with the T-cell receptor, and enables the cell to respond to the presence of antigens on its surface. The CD79a protein is present on the surface of B-cells throughout their life cycle, and is absent on all other healthy cells, making it a highly reliable marker for B-cells in immunohistochemistry. The B lymphocyte antigen receptor is a multimeric complex that includes the antigen-specific component, surface immunoglobulin (Ig). Surface Ig non-covalently associates with two other proteins, Ig-alpha and Ig-beta, which are necessary for expression and function of the B-cell antigen receptor. This gene encodes the Ig-alpha protein of the B-cell antigen component. Alternatively spliced transcript variants encoding different isoforms have been described.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

38 kDa, predicted molecular weight 25 kDa.

### Swiss-Prot:

P11912 Human

### Purification&Purity:

Protein A purified.

### Applications:

WB:1:500-1:1,000

IHC:1:50-1:200

IF:1:50-1:100

FC:1:50-1:100

### Storage&Stability:

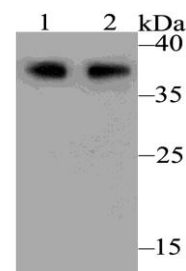
Store at +4 °C after thawing. Aliquot store at -20 °C.

Avoid repeated freeze / thaw cycles.

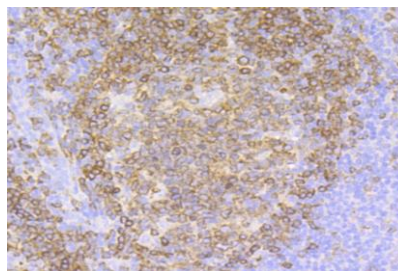
### Specificity:

CD79a polyclonal antibody detects endogenous levels of CD79a protein.

### DATA:



Western blot analysis of CD79a on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody was used at a 1:500 dilution in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: Daudi cell lysate Lane 2: Raji cell lysate



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD79a antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with ET7109-33 at 1/100 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. Counter stained with hematoxylin and mounted with DPX.

### Note:

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

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For research use only, not for use in diagnostic procedure.

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