**BACKGROUND**

CD79 (also designated Igα/Igβ) is a heterodimer composed of α and β chains, CD79A (also designated MB-1) and CD79B (also designated B29), respectively. The B cell antigen receptor complex (BCR) is formed by the association of CD79 with a membrane immunoglobulin, such as IgM or IgD. The membrane immunoglobulins IgM and IgD achieve surface expression and antigen presentation function in response to CD79 association. The cytoplasmic tails of both CD79A and CD79B contain an ITAM motif (immunoreceptor tyrosine-based activation motif), which acts to initiate the BCR signaling reactions by binding to and activating tyrosine kinases.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: CD79B (human) mapping to 17q23.3; Cd79b (mouse) mapping to 11 E1.

**SOURCE**

CD79B (FL-229) is a rabbit polyclonal antibody raised against amino acids 1-229 representing full length CD79B of human origin.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

CD79B (FL-229) is recommended for detection of CD79B of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:1500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:1500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).


Molecular Weight of CD79B: 39 kDa.

Positive Controls: Raji whole cell lysate: sc-364236, Daudi cell lysate: sc-2415 or CD79B (h2): 293T Lysate: sc-115257.

**STORAGE**

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**DATA**

CD79B (FL-229): sc-25605. Western blot analysis of CD79B expression in GA-10 (A) and Daudi (B) whole cell lysates.

CD79B (FL-229): sc-25605. Western blot analysis of CD79B expression in non-transfected 293T: sc-117752 (A), human CD79B transfected 293T: sc-115257 (B) and Raji (C) whole cell lysates.

CD79B (FL-229): sc-25605. Immunoperoxidase staining of formalin fixed, paraffin-embedded human malignant lymphoma tissue showing membrane staining of tumor cells at low (A) and high (B) magnification. Kindly provided by The Swedish Human Protein Atlas (HPA) program.

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

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

Try CD79B (B29/123): sc-53210 or CD79B (H-3): sc-373843, our highly recommended monoclonal alternatives to CD79B (FL-229).