Mouse CD79A Alexa Fluor® 488-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF6968G
100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CD79A in direct ELISAs and Western blots. In direct ELISAs, approximately 20% cross-reactivity with recombinant human CD79A is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse CD79A Leu29-Arg137 Accession # P11911
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

CD79A (also known as Mb-1, Igα and B cell antigen receptor complex-associated protein α-chain) is a 30-40 kDa member of the Ig-Superfamily. It is expressed on B cells, and forms a covalent heterodimer with CD79B. This complex interacts noncovalently with membrane Ig, forming the B cell antigen receptor. Within this complex, membrane Ig detects antigen while CD79A:B initiates signaling. CD79A is essential for the differentiation of pre-B cells, and the pre-BCR regulates the surface expression of IL-7R. Mature mouse CD79A is a 192 amino acid (aa) type I transmembrane glycoprotein (aa 29-220). It contains an extracellular region (aa 29-137) with one C2-type Ig-like domain (aa 29-117), and an ITAM-containing cytoplasmic domain (aa 171-199). Mouse CD79A and CD79B share only 22% aa identity. Over aa 29-137, mouse CD79A shares 57% and 80% aa identity with human and rat CD79A, respectively.

PRODUCT SPECIFIC NOTICES

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