

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CD229/SLAMF3 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human CD229 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 312830
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CD229/SLAMF3 Lys48-Phe454 Accession # AAH95921
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	Mouse splenocytes

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

CD229, also known as T lymphocyte surface antigen Ly-9, is a type I transmembrane protein belonging to the immunoglobulin superfamily. It is also a member of the CD150/SLAM receptor family and is expressed on T and B lymphocytes. Mouse CD229 contains 2 Ig-like C2-type domains and 2 Ig-like V-type domains in its extracellular region. Two mouse alleles that differ in 6 extracellular amino acid residues have been reported. Human and mouse CD229 share 60% amino acid sequence identity in their extracellular regions.

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