

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse CD229/SLAMF3 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human CD229 is observed.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 312830
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse CD229/SLAMF3 Lys48-Phe454 Accession # AAH95921
<b>Conjugate</b>	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Mouse splenocytes

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### 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.

#### PRODUCT SPECIFIC NOTICES

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