Mouse CD229/SLAMF3 PE-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 312830

Catalog Number: FAB2555P

100 TESTS

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	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied 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.

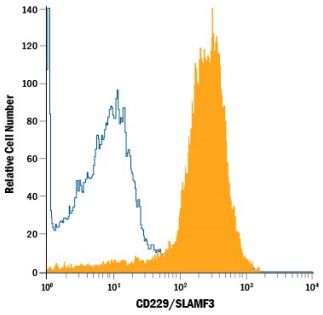
APPLICATIONS

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	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of CD229/SLAMF3 in Mouse Splenocytes by Flow Cytometry. Mouse splenocytes were stained with Rat Anti-Mouse CD229/SLAMF3 PE-conjugated Monoclonal Antibody (Catalog # FAB2555P, filled histogram) or isotype control antibody (Catalog # IC006P, open histogram). View our protocol for Staining Membrane-associated Proteins.

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 and SLAMF3, 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.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956