Recombinant LY9/CD229/SLAMF3 Monoclonal Antibody

catalog number: AN300526P

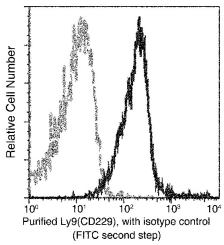
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

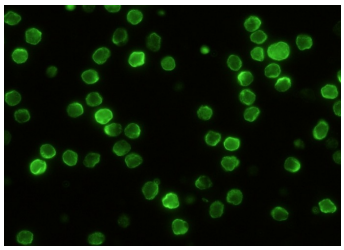
Reactivity	Mouse
Immunogen	Recombinant Mouse LY9/CD229/SLAMF3 protein
Host	Rabbit
Isotype	IgG
Clone	8A6
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
ICC/IF	1:20-1:100
FCM	1:25-1:100

Data



Flow cytometric analysis of Mouse Ly9(CD229) expression on BABL/c splenocytes. Cells were stained with purified anti-Mouse Ly9(CD229), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



Immunofluorescence analysis of Mouse Ly9 in mouse splenocytes. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-mouse Ly9 monoclonal antibody (1:60) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green).

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

Signaling lymphocytic activation molecule 3 (SLAMF3), also known as CD229 or Ly9, is a type I transmembrane glycoprotein that belongs to the SLAM family receptors (PMID: 10970093; 15905546). It is composed of an extracellular region, which consists of four Ig-like domains, a transmembrane region, and a cytoplasmic tail, which includes two immunoreceptor tyrosine-based signaling motifs (ITSMs) and other tyrosine residues that act as binding sites for the SH2 structural domains (PMID: 8537117; 11369645; 38626547). SLAMF3 is mainly expressed in immune cells, such as T, B, and natural killer cells, and it is involved in the fundamental activation and suppression of these immune cells, as well as the regulation of complex immune networks (PMID: 38626547).

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