Mouse CD2F-10/SLAMF9 Antibody

Monoclonal Rat IgG_{2A} Clone # 330003

Catalog Number: MAB2829

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CD2F-10/SLAMF9 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse CD2 is observed.
Source	Monoclonal Rat IgG_{2A} Clone # 330003
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CD2F-10/SLAMF9 Phe18-Leu230 Accession # Q9D780
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

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
Western Blot	1 µg/mL	Recombinant Mouse CD2F-10/SLAMF9

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CD2-F10, also known as SLAMF9 and CD84 homolog 1, is a transmembrane protein in the CD2 subfamily of the immunoglobulin superfamily. CD2-F10 contains one Ig-like V-type domain and one Ig-like C2-type domain. CD2 family proteins are involved in T cell and NK cell adhesion and activation. Within the extracellular domain, mouse CD2-F10 shares 61%, 58%, and 83% amino acid sequence identity with bovine, human, and rat CD2-F10, respectively.

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