Human CD9 Antibody

Monoclonal Mouse IgG_{2B} Clone # 209306

Catalog Number: MAB1880

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD9. Stains human CD9 transfectants, but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Mouse IgG_{2B} Clone # 209306
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human CD9 Met1-Val228 Accession # P21926
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS and NaCl with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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
Flow Cytometry	2.5 µg/10^6 cells	Human platelets

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

CD9, also known as motility-related protein-1 (MRP-1), is a tetraspan family glycoprotein expressed by a variety of hematopoietic and epithelial cells. It forms homotypic associations as well as heterotypic associations with other tetraspan proteins, some integrins and MHC class II proteins. CD9 has been shown to modulate cellular adhesion, migration and proliferation.