

DESCRIPTION

Species Reactivity	Mouse
Specificity	Stains mouse CD9-transfected cells but not irrelevant transfectants.
Source	Monoclonal Rat IgG _{2A} Clone # 479608
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with mouse CD9 Pro2-Val226 Accession # P40240
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	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.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	Mouse D3 cell line

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

CD9, also known as motility-related protein-1 (MRP-1), is a 24 kDa glycoprotein of the tetraspanin family that is expressed by a variety of hematopoietic and epithelial cells. It forms homotypic and heterotypic associations with other tetraspanin proteins, some integrins and MHC class II proteins. CD9 has been shown to modulate cellular adhesion, migration and proliferation. The extracellular portions of mouse CD9 share 81% and 88% amino acid identity with corresponding regions of human and rat CD9, respectively.

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