

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CD9. Stains human CD9 transfectants, but not irrelevant transfectants in flow cytometry.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 209306
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with human CD9 Met1-Val228 Accession # P21926
<b>Conjugate</b>	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
<b>Formulation</b>	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.

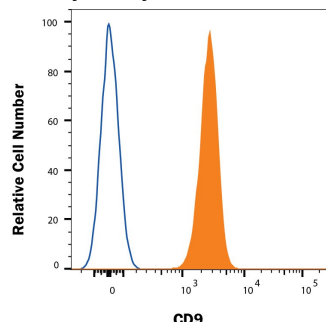
## APPLICATIONS

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	See Below

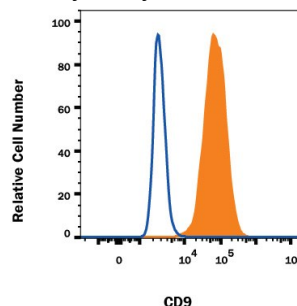
## DATA

### Flow Cytometry



**Detection of CD9 in Human Peripheral Blood Platelets by Flow Cytometry.** Human peripheral blood platelets were stained with Mouse Anti-Human CD9 Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # FAB1880G, filled histogram) or isotype control antibody (Catalog # IC0041G, open histogram). View our protocol for [Staining Membrane-associated Proteins](#).

### Flow Cytometry



**Detection of CD9 in Human CD9 transfected NS0 cells by Flow Cytometry.** NS0 cells transfected with Human CD9 (filled histogram) or irrelevant protein (open histogram) were stained with Mouse Anti-Human CD9 Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # FAB1880G) or isotype control antibody (Catalog # IC0041G, data not shown). View our protocol for [Staining Membrane-associated Proteins](#).

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> • 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 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.

## PRODUCT SPECIFIC NOTICES

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