

Technical Data Sheet

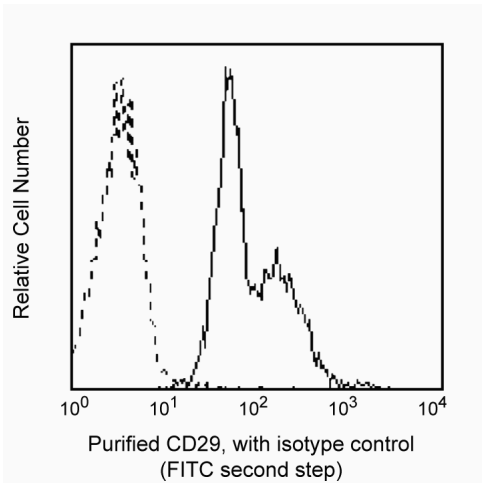
Purified Rat Anti-Human CD29

Product Information

Material Number:	552828
Alternate Name:	ITGB1; Integrin beta-1; Integrin β1; FNRB; GPIIA; ITB1; MDF2; MSK12; VLA-4β
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	Mab 13
Immunogen:	Purified Fibronectin Receptor from Human Placenta
Isotype:	Rat (SD) IgG2a, κ
Reactivity:	QC Testing: Human
Workshop:	V S221
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The Mab 13 monoclonal antibody specifically binds to CD29. CD29 is a 130 kDa integrin β1 subunit that is expressed as a heterodimeric complex with one of six distinct α subunits, comprising the very late activation antigen (VLA) subfamily of adhesion receptors. The family of β1 integrins includes receptors for vascular cell adhesion molecule 1 (VCAM-1), extracellular matrix (ECM) components such as collagen (COL), fibronectin (FN), laminin (LM) and vitronectin (VN), and pathogens. The β1 subunit is widely expressed by T and B cells, dendritic cells, NK cells, monocytes and macrophages, granulocytes, platelets, endothelial and epithelial cells, and stem cells.



Preparation and Storage

Store undiluted at 4°C.  
The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Application Notes

Application

Flow cytometry	Routinely Tested
Functional assay	Reported
Immunoprecipitation	Reported
Western blot	Reported
ELISA	Reported

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## Suggested Companion Products

Catalog Number	Name	Size	Clone
554016	FITC Goat Anti-Rat Ig	0.5 mg	Polyclonal
554656	Stain Buffer (FBS)	500 mL	(none)
555841	Purified Rat IgG2a, $\kappa$ Isotype Control	0.1 mg	R35-95
553927	Purified Rat IgG2a, $\kappa$ Isotype Control	0.5 mg	R35-95
555899	Lysing Buffer	100 mL	(none)

## Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to [www.bdbiosciences.com/pharming/en/protocols](http://www.bdbiosciences.com/pharming/en/protocols) for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at [www.bdbiosciences.com/colors](http://www.bdbiosciences.com/colors).
5. An isotype control should be used at the same concentration as the antibody of interest.

## References

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