Datasheet for ABIN2688978

anti-Cadherin 5 antibody

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Overview

Quantity:	0.5 mg
Target:	Cadherin 5 (CDH5)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Cadherin 5 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Blocking Reagent (BR)

Product Details

Brand:	BD Pharmingen™
Immunogen:	Mouse VE-Cadherin-Ig Fusion Protein
Clone:	11D4-1
Isotype:	IgG2a kappa
Characteristics:	The 11D4.1 antibody reacts with mouse VE-cadherin, a member of the cadherin family. VE-cadherin is an endothelial cell-specific, homophilic adhesion molecule. It is concentrated at interendothelial cells contacts and is thought to be involved in the maintenance of cell layer integrity. In vitro and in vivo studies indicate that the 11D.4 mAb interferes with VE-cadherin-mediated intercellular adhesion. This antibody is routinely tested by flow cytometric analysis. Other applications were tested during antibody development only or reported in the literature.

Product Details

	BD Pharmingen™ Purified Rat Anti-Mouse CD144 - Purified - Clone 11D4.1 - Isotype Rat IgG2a, κ - Reactivity Ms - 0.5 mg
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	Cadherin 5 (CDH5)
Alternative Name:	CD144 (CDH5 Products)
Background:	Synonyms: VE-Cadherin, Cadherin-5
Pathways:	Cell-Cell Junction Organization, Signaling Events mediated by VEGFR1 and VEGFR2

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	Aqueous buffered solution containing ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store undiluted at 4°C.

Publications

Product cited in:	Gotsch, Borges, Bosse, Böggemeyer, Simon, Mossmann, Vestweber: "VE-cadherin antibody accelerates neutrophil recruitment in vivo." in: **Journal of cell science**, Vol. 110 (Pt 5), pp. 583-8 , (1997) (PubMed). Breier, Breviario, Caveda, Berthier, Schnürch, Gotsch, Vestweber, Risau, Dejana: "Molecular cloning and expression of murine vascular endothelial-cadherin in early stage development of

cardiovascular system." in: **Blood**, Vol. 87, Issue 2, pp. 630-41, (1996) (PubMed).

Lampugnani, Resnati, Raiteri, Pigott, Pisacane, Houen, Ruco, Dejana: "A novel endothelial-specific membrane protein is a marker of cell-cell contacts." in: **The Journal of cell biology**, Vol. 118, Issue 6, pp. 1511-22, (1992) (PubMed).