

Datasheet for ABIN2656818
anti-Cadherin 5 antibody (Alexa Fluor 594)



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1 Image

Overview

Quantity:	100 µg
Target:	Cadherin 5 (CDH5)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cadherin 5 antibody is conjugated to Alexa Fluor 594
Application:	Flow Cytometry (FACS)

Product Details

Clone:	BV9
Isotype:	IgG2a kappa
Purification:	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 594 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 594.

Target Details

Target:	Cadherin 5 (CDH5)
Alternative Name:	CD144 (CDH5 Products)
Background:	CD144, also known as VE-cadherin and cadherin-5, is a 140 kD glycoprotein which is composed of five extracellular cadherin repeats and a highly conserved cytoplasmic tail region. It is a calcium-dependent transmembrane cell-cell adhesion molecule localized at the intercellular boundaries of endothelial cells, hematopoietic stem cells, and perineurial cells. It functions as a

Target Details

classic cadherin by mediating homophilic adhesion and functions as a plasma membrane attachment site for the cytoskeleton. CD144 is thought to play a role in vascular development, permeability, and remodeling.

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: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.

Preservative: Sodium azide

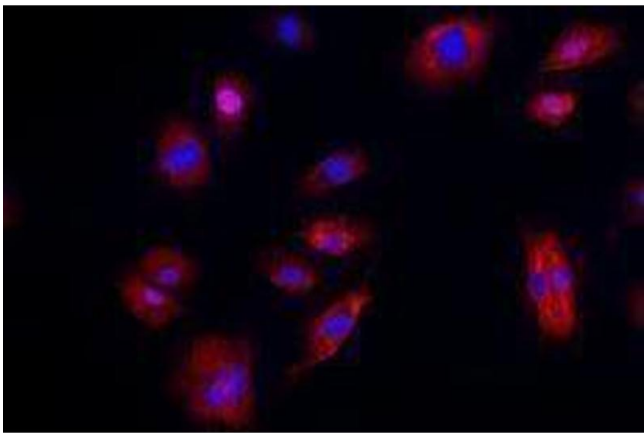
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Protect from prolonged exposure to light. Do not freeze.

Storage: 4 °C

Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C

Images



Immunofluorescence

Image 1.