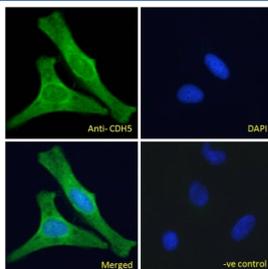


Cadherin 5 Antibody / VE Cadherin (R36502)

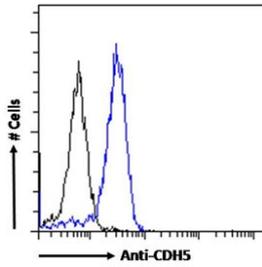
Catalog No.	Formulation	Size
R36502-100UG	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Goat
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
UniProt	P33151
Localization	Cytoplasm, cell membrane, cell junctions
Applications	Immunofluorescence : 10ug/ml Flow Cytometry : 1ug/million cell in 0.1ml ELISA (peptide) LOD : 1:128000
Limitations	This Cadherin 5 antibody is available for research use only.



Immunofluorescent staining of fixed and permeabilized human HeLa cells with Cadherin 5 antibody (green) at 10ug/ml and DAPI nuclear stain (blue).



FACS testing of fixed and permeabilized human HeLa cells with Cadherin 5 antibody (blue) at 1ug/million cells/0.1ml and naive goat Ig (black).

Description

Cadherin 5 is primarily expressed in endothelial cells, where it plays a critical role in regulating cell-cell adhesion and maintaining the integrity of the vascular barrier. Through its interactions with other Cadherin molecules and cytoskeletal components, Cadherin 5 helps to form adherens junctions, specialized structures that hold adjacent cells together and facilitate cell communication. Research has shown that mutations or dysregulation of Cadherin 5 can lead to various pathologies, including vascular dysfunction, increased permeability of blood vessels, and impaired wound healing. In addition, Cadherin 5 has been implicated in the progression of cancer, as aberrant expression of this molecule can promote tumor invasion and metastasis.

Application Notes

Optimal dilution of the Cadherin 5 antibody should be determined by the researcher.

Immunogen

Amino acids KQARAHGKSVPE were used as the immunogen for this Cadherin 5 antibody.

Storage

Aliquot and store the Cadherin 5 antibody at -20oC.