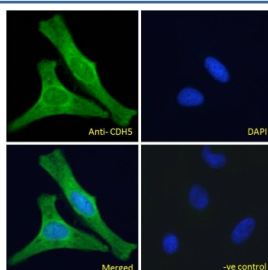


Cadherin 5 Antibody / VE Cadherin (R36502)

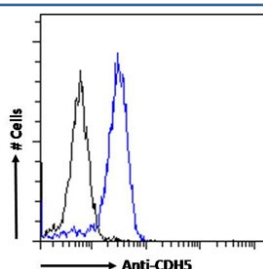
Catalog No.	Formulation	Size
R36502-100UG	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
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.