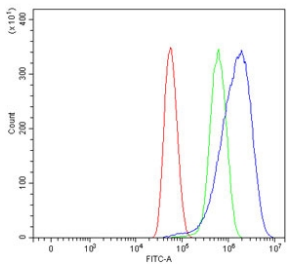
Endoglin Antibody / CD105 (R32690)

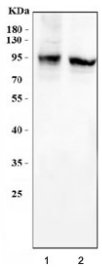
Catalog No.	Formulation	Size
R32690	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P17813
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This Endoglin antibody is available for research use only.



Flow cytometry testing of human U-87 MG cells with Endoglin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Endoglin antibody.



Western blot testing of human 1) SiHa and 2) HeLa cell lysate with Endoglin antibody. Observed molecular weight: 70/90 kDa (monomer, unmodified/glycosylated); 140-180 kDa (dimer, unmodified/glycosylated).

Description

Endoglin (Osler-Rendu-Weber syndrome 1), also called CD105, is a type I membrane glycoprotein located on cell surfaces and is a part of the TGF beta receptor complex. Its gene is mapped to human chromosome 8. The protein consists of a homodimer of 180 kDA with disulfide links. It has been found on endothelial cells, activated macrophages, fibroblasts and smooth muscle cells. Endoglin has a role in the development of the cardiovascular system and in vascular remodeling and has been found to be elevated in pregnant women who subsequently develop preeclampsia.

For broader detection of CD105 as an endothelial marker across applications, see our CD105 antibody.

Application Notes

Optimal dilution of the Endoglin antibody should be determined by the researcher.

Immunogen

Amino acids 258-297 (YVSWLIDANHNMQIWTTGEYSFKIFPEKNIRGFKLPDTPQ) from the human protein were used as the immunogen for the Endoglin antibody.

Storage

After reconstitution, the Endoglin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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