

For Research Use Only

Endoglin/CD105 Monoclonal antibody, PBS Only (Detector)

Catalog Number: 68748-2-PBS



Basic Information

Catalog Number: 68748-2-PBS	GenBank Accession Number: BC014271	Purification Method: Protein G purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2022	CloneNo.: 2D4A5
Source: Mouse	UNIPROT ID: P17813	
Isotype: IgG1	Full Name: endoglin	
	Calculated MW: 71 kDa	

Applications

Tested Applications:
IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

68748-2-PBS targets Endoglin/CD105 as part of a matched antibody pair:

MP50103-1: 68748-1-PBS capture and 68748-2-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

Endoglin (ENG, CD105) is a homodimeric cell membrane glycoprotein of 180 kDa, composed of disulphide-linked subunits of 95 kDa. Endoglin is a proliferation-associated and hypoxia-inducible protein mainly expressed on vascular endothelial cells. It acts as an accessory receptor for transforming growth factor beta (TGF- β) and is involved in vascular development and remodelling. The important role of Endoglin in angiogenesis and in tumor progression makes it an ideal target for antiangiogenic therapy and a good marker for tumor prognosis. (PMID: 1326540; 14528280; 21737653; 12773481)

Storage

Storage:
Store at -80°C.

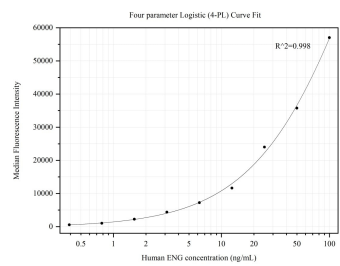
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

Immunofluorescent analysis of un-fixed HUVEC cells using Endoglin/CD105 antibody (68748-2-Ig, Clone: 2D4A5) at dilution of 1:1422 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004). This data was developed using the same antibody clone with 68748-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50103-1, ENG Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68748-1-PBS. Detection antibody: 68748-2-PBS. Standard:Eg0587. Range: 0.391-100 ng/mL