

CD105 (AB1497) mouse mAb

W0270

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 70 kDa (calculated)
- 75 kDa (observed)

Isotype

- IgG2a, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality	Monoclonal
Clone Number	AB1497
Immunogen	A synthetic peptide corresponding to the amino acid region 400 - 500 of the human CD105 protein.
Specificity	The antibody can specifically recognize human CD105 protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	ENG		
Protein Name	CD105		
Database Link	Organism	Swiss Prot.	Gene ID
	Human	P17813	2022

Background	CD105 is a homodimeric cell membrane glycoprotein linked by disulfide bonds. It is a new class of cell adhesion molecules and plays an important role in regulating angiogenesis. As a receptor of TGF-beta, CD105 is highly expressed in vascular endothelial cells of tumor related neovascular endothelium. Therefore, the evaluation of tumor microvessel density by immunohistochemical staining is significantly correlated with tumor invasion and prognosis.
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