

CD105 (AB1497) mouse mAb

V0015

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

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

Isotype

- IgG2a, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:50-1:200

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.