

Recombinant Endoglin / CD105 (Angiogenesis Marker) Antibody

Rabbit Monoclonal Antibody [Clone ENG/13728R]

Catalog No	Format	Size
2022-RBM25-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2022-RBM25-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2022-RBM25-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

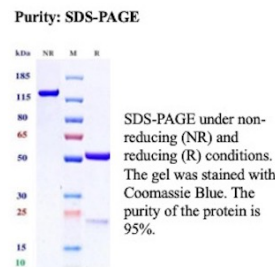
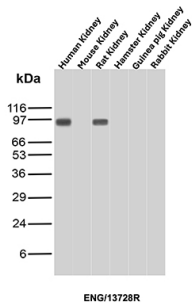
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	ENG/13728R
Immunogen	Recombinant fragment (around aa345-365) of the human CD105 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	70.58kDa
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	Kidney.

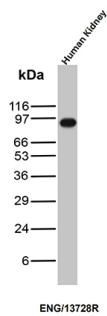
*Optimal dilution for a specific application should be determined.

Product Images for Recombinant Endoglin / CD105 (Angiogenesis Marker) Antibody



Western blot analysis of kidney tissue lysates of different species using CD105 Recombinant Rabbit Monoclonal Antibody (ENG/13728R).

SDS-PAGE Analysis of Purified CD105 Recombinant Rabbit Monoclonal Antibody (ENG/13728R) of Purity and Integrity of Antibody.



Western blot analysis of human kidney tissue lysate using CD105 Recombinant Rabbit Monoclonal Antibody (ENG/13728R).

Specificity & Comments

CD105/Endoglin is a Type I membrane glycoprotein located on cell surfaces and is part of the TGF-beta receptor complex. This protein 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. Its expression is regulated during heart development. CD105 is highly expressed in endothelial cells during tumor angiogenesis and inflammation, with weak or negative expression in vascular endothelium of normal tissues. Angiogenesis is a promising prognostic marker in a variety of tumors. Endoglin is a more specific and sensitive marker for tumor angiogenesis than CD31 or CD34, as it labels only newly-formed blood vessels and may serve as a prognostic marker for Prostate Adenocarcinoma, and cancers of the lung, stomach, breast, and brain.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.