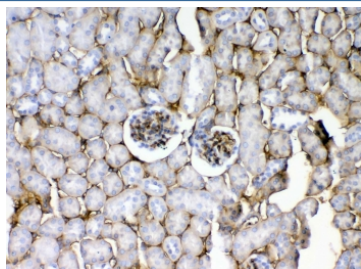


## CD105 Antibody (R32935)

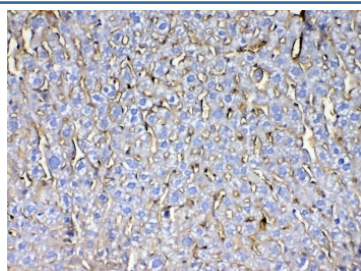
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R32935      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

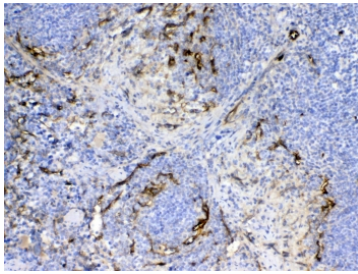
|                           |                                                                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                                                                         |
| <b>Species Reactivity</b> | Mouse, Rat                                                                                                                                |
| <b>Format</b>             | Antigen affinity purified                                                                                                                 |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                                                                                                |
| <b>Isotype</b>            | Rabbit IgG                                                                                                                                |
| <b>Purity</b>             | Antigen affinity                                                                                                                          |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide                                                                                |
| <b>UniProt</b>            | Q63961                                                                                                                                    |
| <b>Localization</b>       | Cell surface, cytoplasmic                                                                                                                 |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>IHC (FFPE) : 1-2ug/ml<br>Direct ELISA (recombinant Mouse Protein) : 0.1-0.5ug/ml (BSA-free format available) |
| <b>Limitations</b>        | This CD105 antibody is available for research use only.                                                                                   |



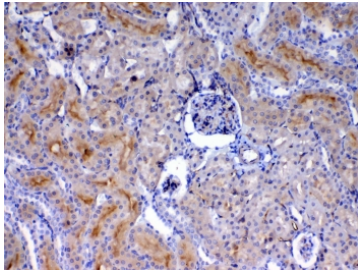
IHC testing of FFPE mouse kidney tissue with CD105 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



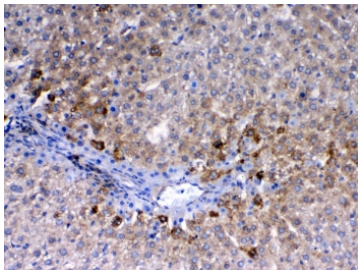
IHC testing of FFPE mouse liver tissue with CD105 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



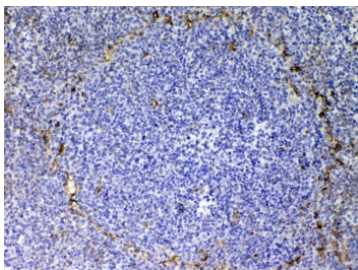
IHC testing of FFPE mouse spleen tissue with CD105 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



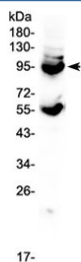
IHC testing of FFPE rat kidney tissue with CD105 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat liver tissue with CD105 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat spleen tissue with CD105 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Western blot testing of mouse lung tissue lysate with CD105 antibody at 0.5ug/ml. Expected molecular weight: 70/90 kDa (monomer, unmodified/glycosylated); 140-180 kDa (dimer, unmodified/glycosylated).

## Description

Endoglin (Osler-Rendu-Weber syndrome 1), 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.

## Application Notes

Optimal dilution of the CD105 antibody should be determined by the researcher.

## **Immunogen**

A recombinant mouse protein corresponding to amino acids E27-L226 was used as the immunogen for the CD105 antibody.

## **Storage**

After reconstitution, the CD105 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.