

CD90 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50354

Clone# BP6322

Predicted Molecular Wt: 18kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P04216

Background:

CD90(THY1) is a 25-37-kDa heavily N-glycosylated, glycosylated phosphatidylinositol (GPI) anchored cell surface protein. It has been found to regulate cell adhesion, migration, apoptosis, axon growth, cell-cell and cell-matrix interactions, T-cell activation, and fibrosis. Several reports have shown that CD90 has an important role in cancer in regulating cancer cell proliferation, metastasis, and angiogenesis.

CD90 is usually expressed on thymocytes, mesenchymal stem cells, hematopoietic stem cells, natural killer cells, neurons, endothelial cells, renal glomerular mesangial cells, follicular dendritic cells, fibroblasts, and myofibroblasts.

CD90 is an important prognostic marker in many cancers, such as gastric cancer and colon cancer, et al. Consequently, therapies that target CD90 have great promise in treating many cancers. However, several studies also indicate a contradictory role for CD90, where it acts as a tumor suppressor, such as ovarian adenocarcinoma, nasopharyngeal carcinoma, and neuroblastoma.

Subcellular location:

Cytoplasm and membrane

Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide. This information is proprietary to BioLynx.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

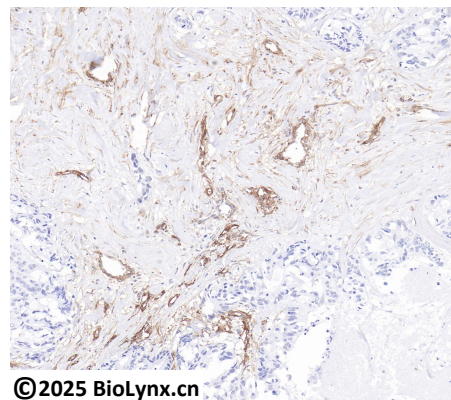
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

1. Kumar A, et al.(2016). Tumour Biol. Sep;37(9):11611-11622.
2. Shaikh MV, et al.(2016). Cancer Biomark. 16(3):301-7.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon cancer labelling CD90 with BP6322.

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.