

CD90 monoclonal antibody

Catalog: MB65821

Host: Mouse

Reactivity: Human

BackGround:

The Thy1/CD90 cell surface antigen is a GPI-anchored, developmentally regulated protein involved in signaling cascades that mediate neurite outgrowth, T cell activation, tumor suppression, apoptosis, and fibrosis. Thy1/CD90 is highly expressed on the surface of adult neurons and is thought to play a role in modulating adhesive and migratory events, such as neurite extension. Decreased Thy1/CD90 mRNA and protein expression is associated with the development of epithelial ovarian cancer, suggesting a role as a putative tumor suppressor gene of human ovarian cancer. Research studies indicate that Thy1/CD90 knockout mice have impaired cutaneous immune responses and abnormal retinal development. Thy1/CD90 is epigenetically regulated or deregulated in some disease states, such as pulmonary fibrosis. The potentially reversible hypermethylation of the Thy1/CD90 promoter offers the possibility of novel therapeutic options in this disease.

Product:

Purified antibody in PBS with 0.05% sodium azide.

Molecular Weight:

~ 18 kDa

Swiss-Prot:

P04216

Purification&Purity:

The monoclonal antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1/500-1/1000 IHC: 1/100-1/200 IF: 1/50-1/200
ELISA: 1/10000

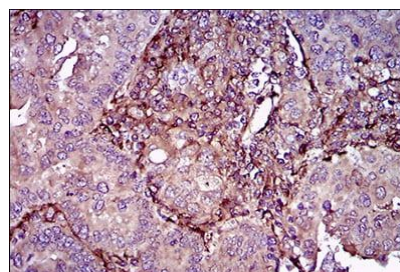
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

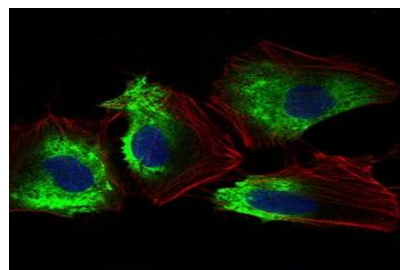
Specificity:

Recognizes human CD90

DATA:



Immunohistochemistry analysis of paraffin-embedded human endometrial cancer tissues using CD90 antibody.



Immunocytochemistry analysis of CD90 in HeLa cells using CD90 antibody (green), and DAPI (blue). Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

Note:

For research use only, not for use in diagnostic procedure.

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