

CD47 monoclonal antibody

Catalog: MB9137

Host: Mouse

Reactivity: Human, Mouse

BackGround:

CD47 is an integral membrane protein that plays a role in the regulation of cation fluxes across cell membranes. Specifically, CD47 is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to the extracellular matrix. It is also a receptor for the C-terminal cell binding domain of thrombospondin (SIRP). CD47 is absent from Rh-null erythrocytes, but does play a role in cell adhesion in non-erythroid cells and may prevent premature elimination of erythrocytes. It may also be involved in membrane permeability changes following viral infection. CD47 is expressed on hemopoietic cells, epithelial cells, endothelial cells and fibroblasts and is strongly expressed in brain and mesenchymal cells.

Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

Predicted band 35 kDa

Swiss-Prot:

Q08722(Human) Q61735(Mouse)

Purification&Purity:

ProG affinity purified.

Applications:

WB:1:500

IHC:1:50-1:200

FC:1:50-1:100

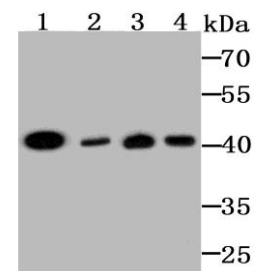
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

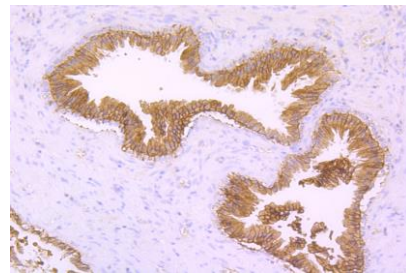
Specificity:

CD47 monoclonal antibody detects endogenous levels of CD47 protein.

DATA:



Western blot analysis of CD47 on NIH-3T3 cell (1), Mouse brain (2), Hela cell (3) and K562 cell (4) lysates using anti-CD47 antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-CD47 antibody. Counter stained with hematoxylin.

Note:

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

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