

Product Datasheet

CD47 Antibody

Catalog No: CY5251

Reactivity: Human, Mouse ,Rat

Isotype: Rabbit IgG

Applications: WB, ICC, FC



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Information

UniProt ID: Q08722

All Names: CD47; IAP; Integrin Associated Protein; MER6 ; OA3; Protein MER6 ; Antigen identified by monoclonal antibody 1D8

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 55 kDa

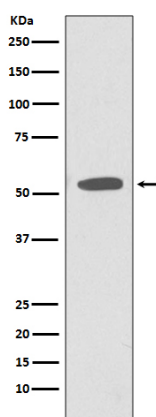
Application

WB: 1:1000~1:2000

ICC: 1:50~1:200

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.



Western blot analysis of extracts of NIH/3T3 cell lysate, using CD47 antibody.

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