

# CD47 Antibody

Catalog No: T55251

Reactivity: Human Mouse Rat

IsoType: Rabbit IgG

Applications: WB ICC/IF FC



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400-6123-828

## 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:** Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

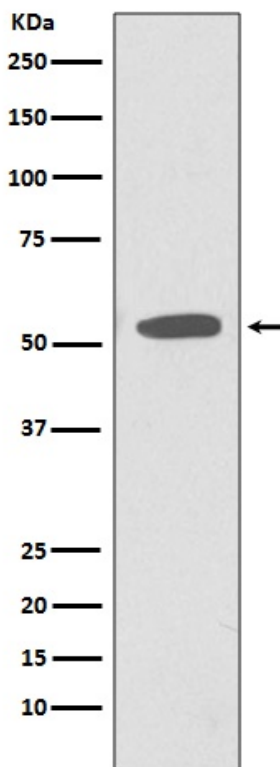
**Molecular Wt.:** 55kDa

## Application

WB 1:1000~1:2000 ICC/IF 1:50~1:200 FC 1:50

## 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.



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