

Recombinant CD47 Monoclonal Antibody

catalog number: AN301936L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

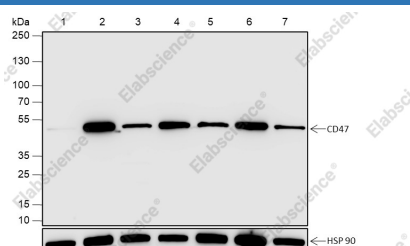
Reactivity	Human
Immunogen	Recombinant human CD47 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C331557
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000-1:2000
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Data



Western Blot with CD47 Monoclonal Antibody at dilution of 1: 2000. Lane 1: HepG2, Lane 2: Jurkat, Lane 3: 293T, Lane 4: A549, Lane 5: U-2 OS, Lane 6: Molt4, Lane 7: HL-60

Observed-MW:47-52 kDa

Calculated-MW:47-52 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

CD47 has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. CD47 plays an important role in memory formation and synaptic plasticity in the hippocampus. CD47 is a receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. CD47 interacts with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation. CD47 may play a role in membrane transport and/or integrin dependent signal transduction. CD47 may prevent premature elimination of red blood cells. CD47 may be involved in membrane permeability changes induced following virus infection.

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