

Anti-CD47 Antibody (8K78)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	Unconjugated
Clone:	8K78
Purification:	Protein A

Applications

Verified Activity:	<p>1. Anti-CD47 rabbit polyclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none">-Lane A: Mouse brain tissue lysate.-Lysates/proteins at 30 µg per lane.-Secondary-Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.-Developed using the ECL technique.-Performed under reducing conditions.-Predicted band size:35 kDa. <p>2. mCD47 was immunoprecipitated using:</p> <ul style="list-style-type: none">-Lane A:0.5 mg Mouse brain Whole Cell Lysate.-4 µL anti-mCD47 rabbit monoclonal antibody and 60 µg of Immunomagnetic beads Protein A/G.-Primary antibody:-Anti-mCD47 rabbit monoclonal antibody, at 1:100 dilution.-Secondary antibody:-Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.-Developed using the ECL technique.-Performed under reducing conditions.-Predicted band size: 40 kDa.-Observed band size:40 kDa
Application:	ELISA,IP,WB
Recommended	WB: 1:500-1:2000; ELISA: 1:5000-1:10000; IP: 1-5 µL/mg of lysate

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Mouse CD47 Protein (TMPY-04810)
Antigen Species: Mouse
Synonyms: OA3;CD47 molecule;MER6;IAP
Biology Area: Cancer Drug Targets

Research Background

CD47 contains 1 Ig-like V-type (immunoglobulin-like) domain and is a receptor for the C-terminal cell binding domain of thrombospondin. It may play a role in membrane transport and signal transduction. CD47 is also a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. It is very broadly distributed on normal adult tissues, as well as ovarian tumors, being especially abundant in some epithelia and the brain. CD47 may play a role in membrane transport and/or integrin dependent signal transduction. It may prevent premature elimination of red blood cells. It also may be involved in membrane permeability changes induced following virus infection. By acting as an adhesion receptor for THBS1 on platelets, CD47 plays a role in both cell adhesion and in the modulation of integrins. It also plays an important role in memory formation and synaptic plasticity in the hippocampus. Cancer Immunotherapy Co-inhibitory Immune Checkpoint Targets Immune Checkpoint Immune Checkpoint Detection: Antibodies Immune Checkpoint Detection: ELISA Antibodies Immune Checkpoint Detection: WB Antibodies Immune Checkpoint Targets Immunotherapy Targeted Therapy

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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