

Anti-CD47 Antibody (1F304)

Product Details

Ig Type:	hIgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1F304
Purification:	Affinity-chromatography

Applications

Verified Activity:	<ol style="list-style-type: none">1. The Binding Activity of Human CD47 with Anti-CD47 recombinant antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Human CD47 at 2 µg/mL can bind Anti-CD47 recombinant antibody. The EC50 is 1.343-1.561 ng/mL.2. Untransfected CT26 cells (green line) and transfected Human DLL3 & CD47 CT26 stable cells (red line) were stained with anti-CD47 antibody (TMAH-00206) (2µg/1*10⁶ cells), washed and then followed by FITC-conjugated anti-Human IgG Fc antibody and analyzed with flow cytometry.3. Untransfected CT26 cells (green line) and transfected Human DLL3 & CD47 CT26 stable cells (red line) were stained with anti-DLL3 antibody (2µg/1*10⁶ cells), washed and then followed by APC-conjugated anti-Human IgG Fc antibody and analyzed with flow cytometry.
Application:	ELISA,FCM
Recommended	FCM:1:50-1:200.

Properties

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

Antigen Details

Immunogen:	Recombinant Protein: Human CD47 Protein
Antigen Species:	Human
Gene ID:	961
Uniprot ID:	Q08722
Synonyms:	MER6;IAP;CD47 molecule;OA3
Biology Area:	Cancer, Immunology

Research Background

Has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. Plays an important role in memory formation and synaptic plasticity in the hippocampus. Receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation. May play a role in membrane transport and/or integrin

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dependent signal transduction. May prevent premature elimination of red blood cells. May be involved in membrane permeability changes induced following virus infection.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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