Recombinant CD47 Monoclonal Antibody

catalog number: **AN301480L**

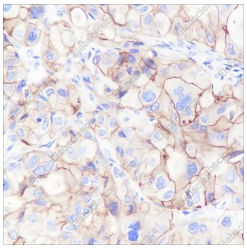
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

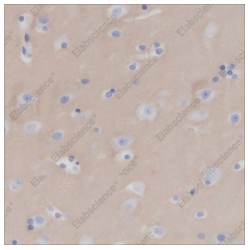
Reactivity	Human;Mouse
Immunogen	Recombinant human CD47 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C251103
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
IHC	1:200-1:1000
FCM	1:50-1:100

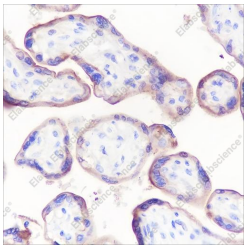
Data



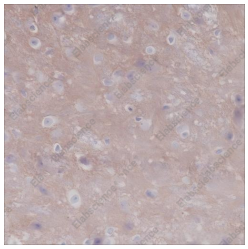
Immunohistochemistry of paraffin-embedded Human ovarian cancer using CD47 Monoclonal Antibody at dilution of 1:1000.



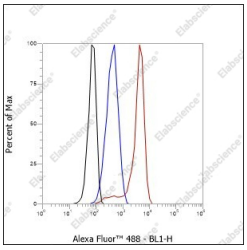
Immunohistochemistry of paraffin-embedded Human cerebrum using CD47 Monoclonal Antibody at dilution of 1:1000.

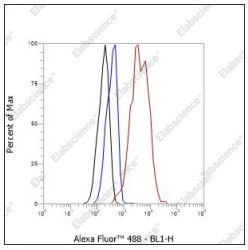


Immunohistochemistry of paraffin-embedded Human placenta using CD47 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Mouse cerebrum using CD47 Monoclonal Antibody at dilution of 1:1000.





Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com

Flow cytometric analysis of human CD47 expression on Jurkat cells. Cells were stained with purified anti-Human CD47, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Flow cytometric analysis of human CD47 expression on MCF-7 cells. Cells were stained with purified anti-Human CD47, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

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

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

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