

CD47 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4114
Host	Mouse
Isotype	Mouse IgG2a
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CD47 (AA: 19-141) expressed in E. Coli.
Mol wt	35.2kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	IAP;OA3;MER6

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The encoded protein is also a receptor for the C-terminal cell binding domain of thrombospondin, and it may play a role in membrane transport and signal transduction. This gene has broad tissue distribution, and is reduced in expression on Rh erythrocytes. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2010]

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

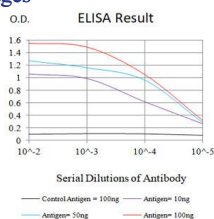
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

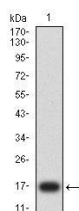
ELISA: 1:10000

Not yet tested in other applications.

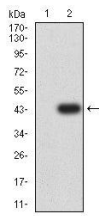
Images



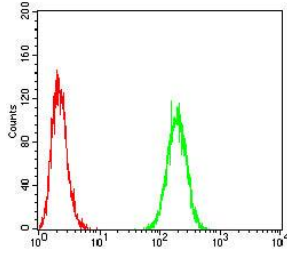
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



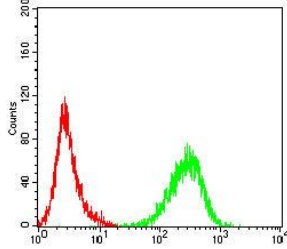
Western blot analysis using CD47 mAb against human CD47 (AA: 19-141) recombinant protein. (Expected MW is 16.8 kDa)



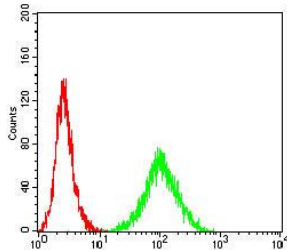
Western blot analysis using CD47 mAb against HEK293-6e (1) and CD47 (AA:19-141)-hIgGfc transfected HEK293-6e (2) cell lysate.



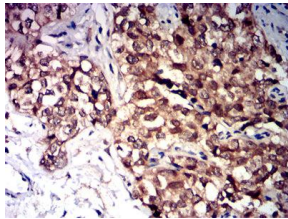
Flow cytometric analysis of HeLa cells using CD47 mouse mAb (green) and negative control (red).



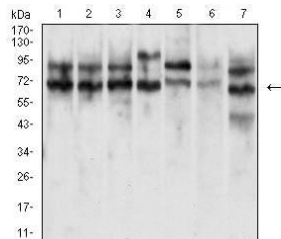
Flow cytometric analysis of Jurkat cells using CD47 mouse mAb (green) and negative control (red).



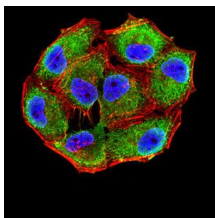
Flow cytometric analysis of K562 cells using CD47 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CD47 mouse mAb with DAB staining.



Western blot analysis using CD47 mouse mAb against Jurkat (1), MOLT4 (2), HL-60 (3), Raji (4), Ramos (5), and HEK293 (6) cell lysate.



Immunofluorescence analysis of HeLa cells using CD47 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

