

CD53 monoclonal antibody

Catalog: MB22608

Host: Mouse

Reactivity: Human

BackGround:

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. It contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation. Familial deficiency of this gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. Alternative splicing results in multiple transcript variants.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

24.3kDa

Swiss-Prot:

P19397

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 FC:1/200 - 1/400

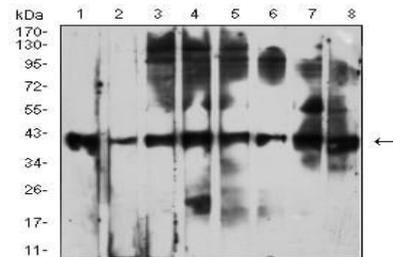
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

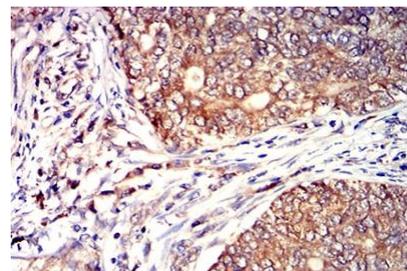
Isotype:

Mouse IgG2a

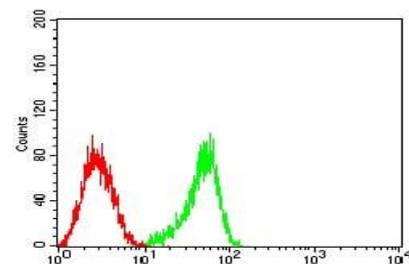
DATA:



Western blot analysis using CD53 mouse mAb against Raji (1), Ramos (2), Jurkat (3), MOLT4 (4), K562 (5), HL-60 (6), THP-1 (7), and U937 (8) cell lysate.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using CD53 mouse mAb with DAB staining.



Flow cytometric analysis of HL-60 cells using CD53 mouse mAb (green) and negative control (red).

Note:

For research use only, not for use in diagnostic procedure.

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