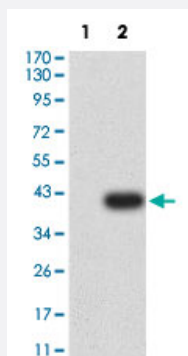


CD53 monoclonal antibody, clone 7A8D3

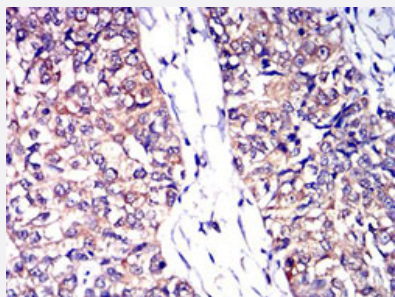
Catalog # MAB21344 Size 100 ug

Applications



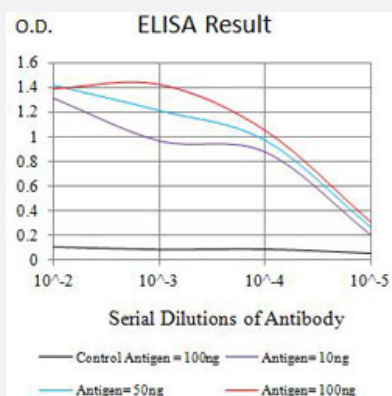
Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: CD53-hlgGfC transfected HEK293 cell lysates with CD53 monoclonal antibody, clone 7A8D3 (Cat # MAB21344).



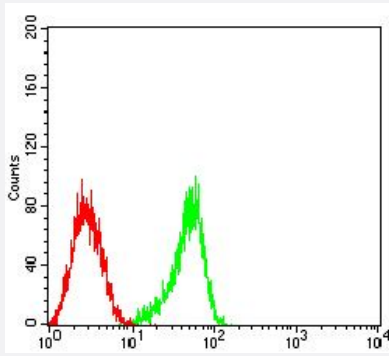
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human bladder carcinoma with CD53 monoclonal antibody, clone 7A8D3 (Cat # MAB21344).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with CD53 monoclonal antibody, clone 7A8D3 (Cat # MAB21344).



Flow Cytometry

Flow cytometric analysis of HL-60 cells with CD53 monoclonal antibody, clone 7A8D3 (Cat # MAB21344) (Green). Red: Negative Control.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human CD53.
Immunogen	Recombinant protein corresponding to human CD53.
Host	Mouse
Theoretical MW (kDa)	24.3
Reactivity	Human
Form	Liquid
Isotype	IgG2a
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: CD53-hlgGfc transfected HEK293 cell lysates with CD53 monoclonal antibody, clone 7A8D3 (Cat # MAB21344).

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- Enzyme-linked Immunoabsorbent Assay

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Gene Info — CD53

Entrez GeneID [963](#)

Protein Accession# [P19397](#)

Gene Name CD53

Gene Alias MOX44, TSPAN25

Gene Description CD53 molecule

Omim ID [151525](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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 encoding the same protein. [provided by RefSeq]

Other Designations

CD53 antigen|CD53 glycoprotein|CD53 tetraspan antigen|OTTHUMP00000013686|OTTHUMP0000059505|antigen MOX44 identified by monoclonal antibody MRC-OX44|cell surface antigen|eukocyte surface antigen CD53|tetraspanin-25|transmembrane glycoprotein

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)