

CD53 monoclonal antibody, clone 63.5A3

Catalog # MAB6916

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CD53.
Immunogen	Native purified CD53 from human Sezary cells.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG2b
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM sodium phosphate buffer, 100 mM potassium Chloride, 150 mM NaCl, pH 7.5 (0.5 mg/mL gentamicin sulfate)
Storage Instruction	Store at 4°C.

Applications

- Immunohistochemistry (Frozen sections)
- Immunoprecipitation
- Flow Cytometry

Gene Info — CD53

Entrez GeneID [963](#)

Gene Name CD53

Gene Alias	MOX44, TSPAN25
Gene Description	CD53 molecule
Omim ID	151525
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
Other Designations	CD53 antigen CD53 glycoprotein CD53 tetraspan antigen OTTHUMP00000013686 OTTHUMP0000059505 antigen MOX44 identified by monoclonal antibody MRC-OX44 cell surface antigen leukocyte surface antigen CD53 tetraspanin-25 transmembrane glycoprotein

Disease

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