

RecomAb™

CD53 recombinant monoclonal antibody, clone HD77

Catalog # RAB03306 Size 200 ug

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human CD53.
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Antibody Species	Mouse
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Immunogen	Original antibody is raised against human leukemia cells.
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Reactivity	Human
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Form	Liquid
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Isotype	IgG1 kappa
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Recommend Usage	Flow Cytometry Immunofluorescence Immunohistochemistry Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
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Storage Buffer	In PBS (0.02% Proclin 300)
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Storage Instruction	Store at 4°C for 3 months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
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Applications

- Western Blot
- Immunohistochemistry
- Immunofluorescence
- 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 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|leukocyte surface antigen CD53|tetraspanin-25|transmembrane glycoprotein

Disease

- [Cardiovascular Diseases](#)
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