

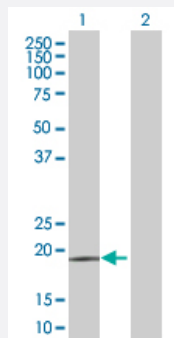
MaxPab®

CD53 MaxPab mouse polyclonal antibody (B01)

Catalog # H00000963-B01

Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CD53 expression in transfected 293T cell line ([H00000963-T01](#)) by CD53 MaxPab polyclonal antibody.

Lane 1: CD53 transfected lysate(24.09 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human CD53 protein.
Immunogen	CD53 (NP_000551.1, 1 a.a. ~ 219 a.a) full-length human protein.
Sequence	MGMSSLKLLKYVLFNLLFWICGCCILGFGIYLLIHNNFGVLFHNLPSLTLGNVFVIVGSIIMVVAFLG CMGSIKENKCLLMSFFILLIILLAEVTLAILLFVYEQKLNEYVAKGLTDSIHRYHSDNSTKAAWDSIQS FLQCCGINGTSDWTSGPPASCPSPDRKVEGCYAKARLWFHSNFLYIGITICVCVIEVLGMSFALTNLN CQIDKTSQTIGL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (83); Rat (81)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Note For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of CD53 expression in transfected 293T cell line ([H00000963-T01](#)) by CD53 MaxPab polyclonal antibody.

Lane 1: CD53 transfected lysate(24.09 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — CD53

Entrez GeneID [963](#)

GeneBank Accession# [NM_000560.3](#)

Protein Accession# [NP_000551.1](#)

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

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- [Diabetes Mellitus](#)
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