

## CD53 rabbit monoclonal antibody

Catalog # H00000963-K      Size 100 ug x up to 3

### Specification

Product Description	Rabbit monoclonal antibody raised against a human CD53 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CD53 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CD53 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

### Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — CD53

Entrez GeneID	<a href="#">963</a>
GeneBank Accession#	<a href="#">CD53</a>
Gene Name	CD53
Gene Alias	MOX44, TSPAN25
Gene Description	CD53 molecule
Omim ID	<a href="#">151525</a>
Gene Ontology	<a href="#">Hyperlink</a>
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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