

Rabbit anti-Human CD53 Monoclonal Antibody | anti-CD53 antibody

CD53 Rabbit PolymAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283078	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

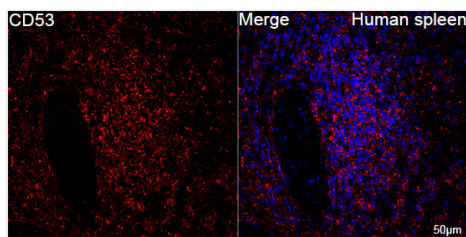
PRODUCT SYNONYMS

CD53; Monoclonal Antibody; CD53 Rabbit PolymAb; MOX44; TSPAN25; anti-CD53 antibody

PRODUCT SPECIFICATIONS

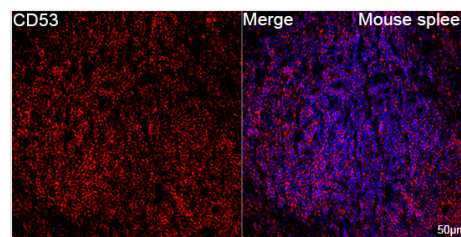
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	EQKLNEYVAK GLTDSIHRYH SDNSTKAAWD SIQSFLQCCG INGTSDWTSG PPASCPSDRK VEGCYAKARL WFHSN
Applicable Applications for anti-CD53 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 107-181 of human CD53 (NP_000551.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



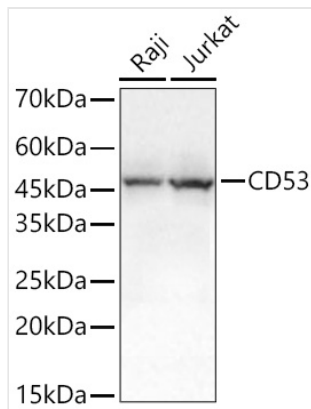
ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Human spleen tissue using CD53 Rabbit PolymAb® (AAA283078, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Mouse spleen tissue using CD53 Rabbit PolymAb® (AAA283078, dilution 1:400) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



WB (Western Blot)

Western blot analysis of various lysates using CD53 Rabbit PolymAb® (AAA283078) at 1:5000 dilution incubated overnight at 4°. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.

ADDITIONAL INFORMATION

Related Product Information for anti-CD53 antibody	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.
Product Categories/Family for anti-CD53 antibody	Signal Transduction ; Immunology Inflammation ; CDs ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834972
NCBI GeneID	963
NCBI Accession #	NP_000551.1
NCBI GenBank Nucleotide #	NM_000560.3
UniProt Accession #	P19397 ; Q5U0D6 ; B2R905
Molecular Weight	Calculated MW: 24kDa Observed MW: 30-50kDa
UniProt Protein Name	Leukocyte surface antigen CD53
UniProt Gene Name	CD53
UniProt Synonym Gene Names	MOX44; TSPAN25; Tspan-25
UniProt Entry Name	CD53_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd53-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/283078>