CD96 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD96, Monoclonal Antibody
Full Product Name	CD96 (CD96 Molecule, DKFZp667E2122, MGC22596, TACTILE) (HRP)
Product Gene Name	anti-CD96 antibody
Product Synonym Names	CD96 Molecule; DKFZp667E2122; MGC22596; TACTILE
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1C8
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Purity/Purification	Purified
Specificity	Recognizes human CD96.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Immunogen	Full-length recombinant protein corresponding to aa1-402 from human CD96 (AAH20749) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MEKKWKYCAVYYIIQIHFVKGVWEKTVNTEENVYATLGSDVNLTCQTQTVGFFVQMQWSKVTNKIDLIAVYHPQYGFYCAYGRPCESLVTFTETPENGSR
Conjugate	HRP
Product Categories/Family for anti-CD96 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CD96 antibody	Western Blot (WB)
Application Notes for anti-CD96 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CD96 antibody	MBS6181661 is an antibody targeting CD96. Also known as CD96 (CD96 Molecule, DKFZp667E2122, MGC22596, TACTILE) (HRP). Reactive in Hum
Other Notes	Small volumes of anti-CD96 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD96. It may not necessarily be applicable to this product.

NCBI GI #	18088450
NCBI GeneID	10225
NCBI Accession #	AAH20749
UniProt Related Accession #	P40200
NCBI Official Full Name	CD96 protein
NCBI Official Synonym Full Names	CD96 molecule
NCBI Official Symbol	CD96
NCBI Official Synonym Symbols	TACTILE
Protein Family	T-cell surface protein tactile
NCBI Protein Information	T-cell surface protein tactile
NCBI Summary for CD96	The protein encoded by this gene belongs to the immunoglobulin superfamily. It is a type I membrane protein. The protein may play a role in the adhesive interactions of activated T and NK cells during the late phase of the immune response. It may also function in antigen presentation. Alternative splicing generates multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jan 2016]
Research Articles on CD96	**1.** Results show that the first immunoglobulin domain (D1) of CD96 is sufficient to mediate a robust interaction with necl-5, but not the DNAM-1 and TIGIT ligand, nectin-2. The crystal structure of CD96-D1 bound to the necl-5 ectodomain revealed that CD96 recognized necl-5 D1 via a conserved "lock-and-key" interaction observed across TIGIT:necl complexes.
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