

Mouse SORD Monoclonal Antibody | anti-SORD antibody

SORD (Sorbitol Dehydrogenase, L-iditol 2-dehydrogenase) APC

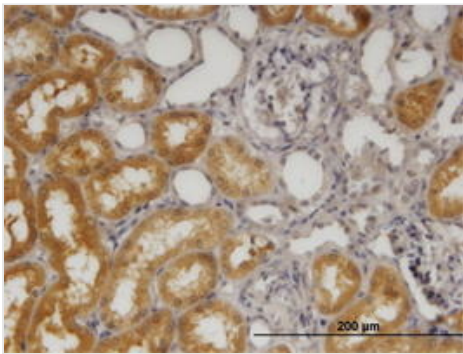
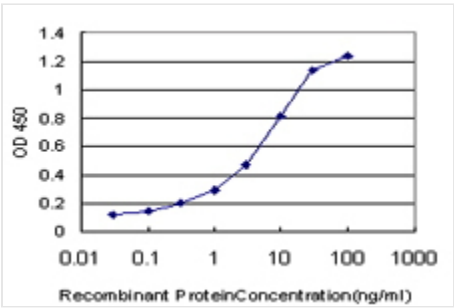
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24667	Mouse	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SORD; Monoclonal Antibody; SORD (Sorbitol Dehydrogenase; L-iditol 2-dehydrogenase) APC; anti-SORD antibody

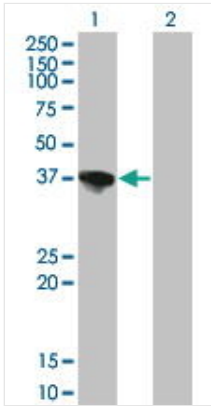
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4D3
Specificity	Recognizes human SORD. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Applicable Applications for anti-SORD antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IHC-P: 1.2ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa1-111 from human SORD (NP_003095) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAAAKPNLNLVVGPGDLRLNYPPEPGPNEVLLRMHSGICGSDVHYWEYGRIGNFIVKKPMVLGHEASGTVEKVGSSVKHLKPGDRVAIEPGAPF
Conjugate	APC
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount for immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge vial prior to removing the cap.

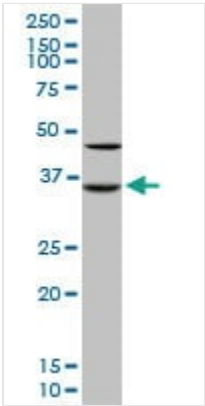


Application Data
Detection limit for recombinant GST tagged SORD is ~0.1ng/ml as a capture antibody.

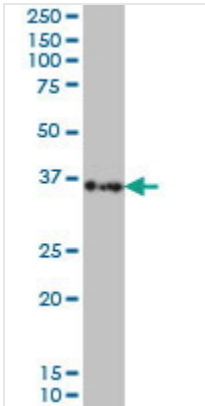
IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to SORD on formalin-fixed paraffin-embedded human kidney. [antibody concentration 1.2ug/ml].



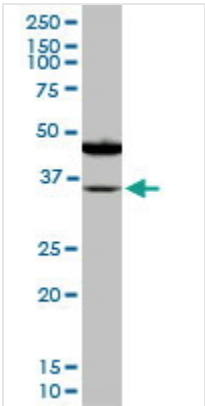
WB (Western Blot)
Western Blot analysis of SORD expression in transfected 293T cell line by SORD monoclonal antibody. Lane 1: SORD transfected lysate (38.165kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
SORD monoclonal antibody. Western Blot analysis of SORD expression in Raw 264.7.



WB (Western Blot)
SORD monoclonal antibody, Western Blot analysis of SORD expression in Hela NE.



WB (Western Blot)
SORD monoclonal antibody. Western Blot analysis of SORD expression in PC-12.

ADDITIONAL INFORMATION

Product Categories/Family for anti-SORD antibody	Antibodies; Enzymes; Dehydrogenase
References	1. Sorbitol dehydrogenase expression is regulated by androgens in the human prostate. Szabo Z, Hamalainen J, Loikkanen I, Moilanen AM, Hirvikoski P, Vaisanen T, Paavonen TK, Vaarala MH.Oncol Rep. 2010 May;23(5):1233-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156627571
NCBI GeneID	6652
NCBI Accession #	NP_003095
NCBI GenBank Nucleotide #	NM_003104
UniProt Accession #	Q00796
Molecular Weight	38kDa
NCBI Official Full Name	sorbitol dehydrogenase
NCBI Official Synonym Full Names	sorbitol dehydrogenase
NCBI Official Symbol	SORD
NCBI Official Synonym Symbols	SORD1; HEL-S-95n
NCBI Protein Information	sorbitol dehydrogenase
UniProt Protein Name	Sorbitol dehydrogenase
UniProt Gene Name	SORD
UniProt Entry Name	DHSO_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sord-antibody-clone-4d3-immunohistochemistry-western-blot-elisa/24667>