Mouse anti-Human SORD Monoclonal Antibody | anti-SORD antibody

SORD antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48127	**Mouse**	**Human**	**Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA**

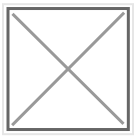
PRODUCT SYNONYMS

SORD; Monoclonal Antibody; SORD antibody; Sorbitol dehydrogenase; Sorbitol dehydrogenase L iditol 2 dehydrogenase; SDH; SORD 1; SORD1; anti-SORD antibody

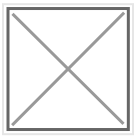
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	AT10F4
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	357
Applicable Applications for anti-SORD antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human SORD (1-357aa) purified from E. coli
Clone Note	Anti-human SORD mAb, clone AT10F4, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human SORD protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
ICC/IF analysis of SORD in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human SORD antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)
The cell lysates of Jurkat (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human SORD antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The Recombinant Protein and cell lysate were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human SORD antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: SORD recombinant protein (20ng) Lane 2.: HeLa cell lysate (40ug

ADDITIONAL INFORMATION

Related Product Information for anti-SORD antibody	SORD, also known as sorbitol dehydrogenase, is a 357 amino acid protein of the zinc-containing alcohol dehydrogenase family. It is widely expressed with highest expression in kidney, lens of the eye and malignant prostate tissue. SORD enzymatically catalyzes the zinc-dependent interconversion of polyols, such as sorbitol and xylitol, to their respective ketoses. SORD deficiency may be associated with diabetic complications such as cataracts and microvascular problems.
Product Categories/Family for anti-SORD antibody	Metabolism
References	Frenette. G., et al. (2006) J Androl 27: 233-239 ; Szabo. Z., et al. (2010) Oncol Rep 23: 1233-1239; Lanaspa. M.A., et al. (2009) J Biol Chem 284: 19974-19981

NCBI AND UNIPROT INFORMATION

NCBI GI #	19263809
NCBI GeneID	6652
Molecular Weight	10,812 Da
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**

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/sord-antibody-clone-at10f4-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48127