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Product datasheet for CF500702

Sorbitol Dehydrogenase (SORD) Mouse Monoclonal Antibody [Clone ID: OTI1D5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1D5
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:1000, IHC 1:50, IF 1:100, Flow 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SORD (NP_003095) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	38.3 kDa
Gene Name:	Homo sapiens sorbitol dehydrogenase (SORD), transcript variant 1, mRNA.
Database Link:	NP_003095 Entrez Gene 6652 Human Q00796
Synonyms:	HEL-S-95n; SORD1
Protein Families:	Druggable Genome

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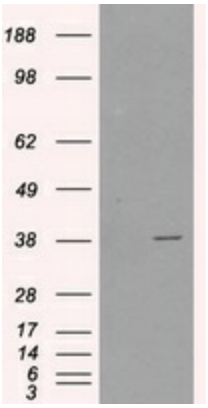
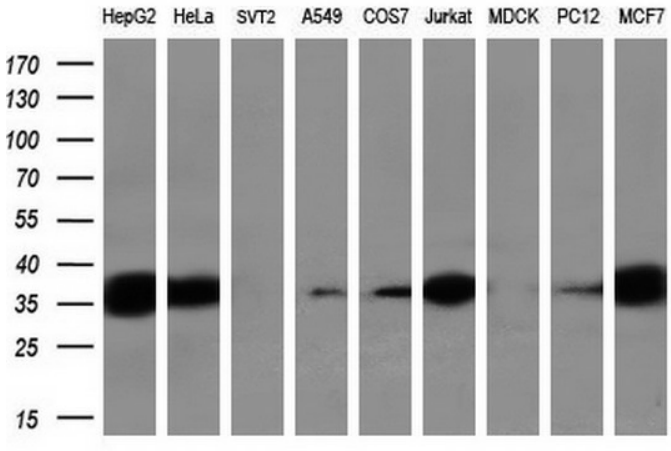
Protein Pathways: Fructose and mannose metabolism, Metabolic pathways

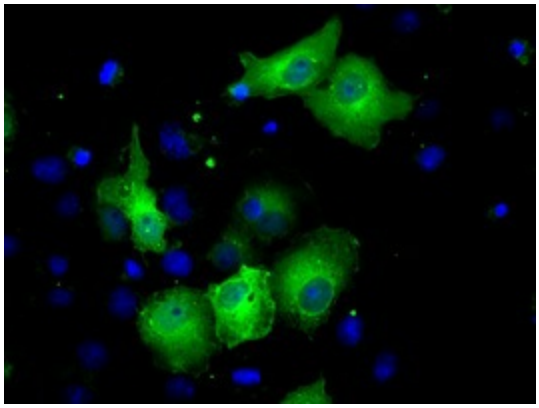
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SORD ([RC200415], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SORD. Positive lysates [LY401082] (100ug) and [LC401082] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-SORD monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).



Anti-SORD mouse monoclonal antibody ([TA500702]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SORD ([RC200415]).

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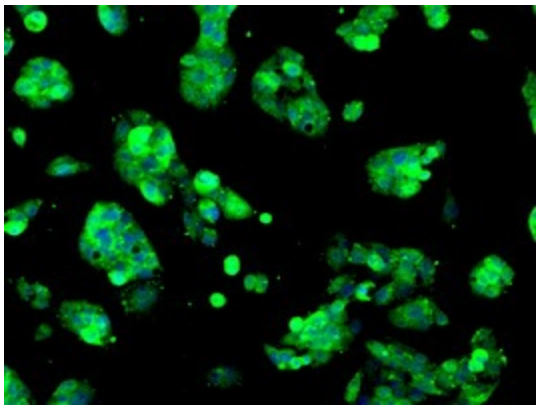
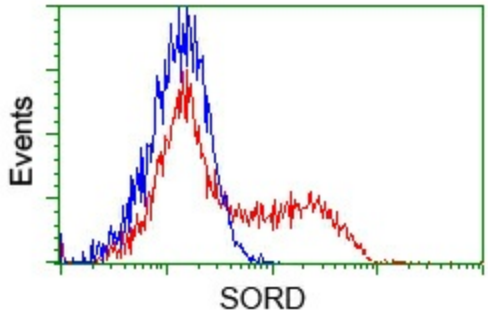
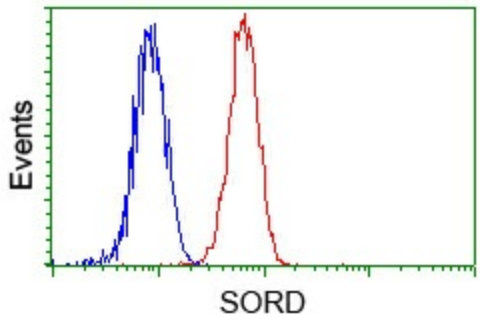


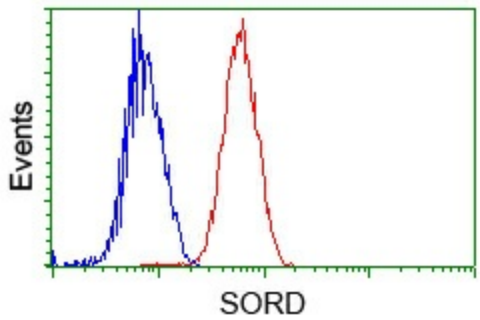
Immunofluorescent staining of HepG2 cells using anti-SORD mouse monoclonal antibody ([TA500702]).



HEK293T cells transfected with either pCMV6-ENTRY SORD ([RC200415]) (Red) or empty vector control plasmid (Blue) were immunostained with anti-SORD mouse monoclonal ([TA500702], Dilution 1:1,000), and then analyzed by flow cytometry.



Flow cytometric analysis of Hela cells, using anti-SORD antibody ([TA500702]), (Red) compared to a nonspecific negative control antibody (TA50011) (Blue).



Flow cytometric analysis of Jurkat cells, using anti-SORD antibody ([TA500702]), (Red) compared to a nonspecific negative control antibody (TA50011) (Blue).

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