

Product datasheet for **AM50068PU-N**

Sorbitol Dehydrogenase (SORD) Mouse Monoclonal Antibody [Clone ID: AT10F4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT10F4
Applications:	ELISA, WB
Recommended Dilution:	The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human SORD (1-357aa) purified from E. coli
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	sorbitol dehydrogenase
Database Link:	Entrez Gene 6652 Human Q00796



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Background:

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.

Synonyms:

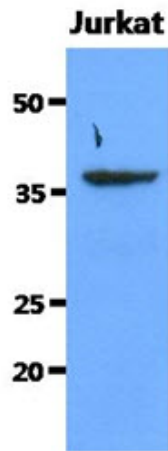
Sorbitol dehydrogenase

Protein Families:

Druggable Genome

Protein Pathways:

Fructose and mannose metabolism, Metabolic pathways

Product images:

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.