

## Product datasheet for **AM50068PU-S**

### 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<br>State: Purified<br>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.<br>Avoid repeated freezing and thawing.   |
| Stability:            | Shelf life: one year from despatch.  |
| Gene Name:            | sorbitol dehydrogenase   |
| Database Link:        | <a href="#">Entrez Gene 6652 Human Q00796</a>  |



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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:**

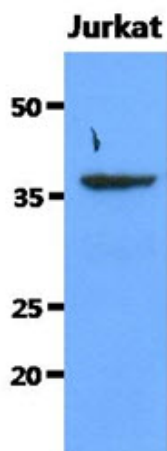
Sorbitol dehydrogenase

**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.