

Product datasheet for **TA396697S**

NAM-DH Goat Polyclonal Antibody

Product data:

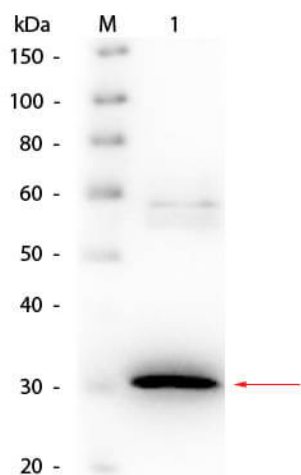
Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	WB: 1:250 - 1:1,000 ELISA: 1:1,000 - 1:5,000
Reactivity:	Bacterial
Host:	Goat
Clonality:	Polyclonal
Immunogen:	N-Acyl Mannosamine-1-Dehydrogenase [Recombinant Sequence from Pseudomonas expressed in E.coli]
Specificity:	Anti-N-Acylmannosamine-1-Dehydrogenase antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Goat Serum as well as purified and partially purified N-Acylmannoseamine-1-Dehydrogenase [Recombinant from Pseudomonas]. Cross reactivity against N-Acylmannoseamine-1-Dehydrogenase from other sources is unknown.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1.0 mg/mL - lot specific
Conjugation:	Biotin
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	P22441



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- Background:** Anti-N-Acylmannosamine-1-Dehydrogenase recognizes the protein N-Acylmannosamine 1-Dehydrogenase, a member of the oxidoreductase family that act on CH-OH donors and NAD⁺ or NADP⁺ as acceptors. N-acyl-D-mannosamine 1-dehydrogenase catalyzes the reaction in which N-acyl-D-mannosamine and NAD⁺ are converted to N-acyl-D-mannosaminolactone, NADH, and H⁺.
- Synonyms:** goat anti-N-Acylmannosamine-1-Dehydrogenase Antibody biotin Conjugation, Biotin Conjugated goat anti-N-Acylmannosamine-1-Dehydrogenase Antibody, N-acylmannosamine 1-dehydrogenase, NAM-DH
- Note:** Anti-N-Acylmannosamine-1-Dehydrogenase antibody has been tested by western blot and is suitable to be assayed against 1.0 µg of N-Acylmannoseamide-1-Dehydrogenase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:7,000 to 1:35,000 of the reconstitution concentration is suggested for this product.

Product images:



Western Blot of Goat anti-N-Acylmannoseamide 1-Dehydrogenase Antibody Biotin Conjugated. Lane 1: N-Acylmannoseamide 1-Dehydrogenase. Load: 50 ng per lane. Primary antibody: Goat anti-N-Acylmannoseamide 1-Dehydrogenase Antibody Biotin Conjugated 1:1,000 overnight at 4°C. Secondary antibody: HRP Streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 27.5 kDa, observed at 30 kDa for N-Acylmannoseamide 1-Dehydrogenase.