

Datasheet for 200-606-144S**Aspartate Transaminase Antibody Biotin Conjugated****Overview**

Description:	Anti-Aspartate Transaminase (AST) (SHEEP) Antibody Biotin - 200-606-144S
Item No.:	200-606-144S
Size:	25 µL
Reactivity:	Pig
Host Species:	Sheep

Product Details

Background:	Anti-Aspartate Transaminase antibody is present in the cytoplasm of cells, belonging to the class-I pyridoxal-phosphate-dependent aminotransferase family. Playing an active role in amino acid metabolism, Anti-Aspartate Transaminase antibody is ideal for investigators interested in Metabolism, Cancer, and Signal Transduction research.
Synonyms:	sheep anti-Aspartate Transaminase biotin conjugated Antibody, biotin conjugated sheep anti-Aspartate Transaminase Antibody, Aspartate aminotransferase 1 antibody, Aspartate aminotransferase cytoplasmic antibody, Aspartate aminotransferase cytosolic antibody, ec 2.6.1.1 antibody, GIG 18 antibody, GIG18 antibody, Glutamate oxaloacetate transaminase 1 antibody
Host Species:	Sheep
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	GOT1
Reactivity:	Pig
Immunogen Type:	Native Protein
Immunogen:	Aspartate Aminotransferase (AST) [Pig Heart]

Purity/Specificity: Anti-Aspartate Transaminase 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-Sheep Serum as well as purified and partially purified Aspartate Aminotransferase (AST) [Pig Heart]. Cross reactivity against Aspartate Aminotransferase (AST) from other sources may occur but has not been specifically determined.

Relevant Links:

- [UniProtKB - P00503](#)
- [NCBI - NP_999092.1](#)
- [GeneID - 396967](#)

Application Details

Application Note: Anti-Aspartate Transaminase has been assayed against 1.0 ug of Aspartate Aminotransferase (AST 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 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:5,000 - 1:25,000

WB: 1:500 - 1:3,000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: 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.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

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