

Datasheet for 200-601-206S**Alanine Transaminase Antibody****Overview**

Description:	Anti-Alanine Transaminase (SHEEP) Antibody - 200-601-206S
Item No.:	200-601-206S
Size:	25 µL
Applications:	WB
Reactivity:	Pig
Host Species:	Sheep

Product Details

Background:	Alanine Transaminase catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate. It participates in cellular nitrogen metabolism and also in liver gluconeogenesis starting with precursors transported from skeletal muscles.
Synonyms:	sheep anti-Alanine Transaminase Antibody, AAT1 antibody, Alanine aminotransferase 1 antibody, alanine aminotransferase antibody, ALT 1 antibody, ALT1 antibody, Glutamic alanine transaminase 1 antibody
Host Species:	Sheep
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	GPT
Reactivity:	Pig
Immunogen Type:	Native Protein
Immunogen:	Alanine Transaminase (ALT) [Pig Heart]

Purity/Specificity: Anti-ALANINE 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-Sheep Serum as well as purified and partially purified Alanine Transaminase [Pig Heart]. Cross reactivity against Alanine Transaminase from other sources is unknown.

Relevant Links:

- [UniProtKB - P13191](#)
- [NCBI - 113565](#)
- [GeneID - 2875](#)

Application Details

Tested Applications: WB

Application Note: Alanine Transaminase antibody has been tested by western blot and is suitable to be assayed against 1.0 ug of Alanine Transaminase [Pig Heart] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Sheep IgG [H&L] (Goat) code #611-1302 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 1:2,000 to 1:8,000 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 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: None

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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