

Anti-ALANINE TRANSAMINASE (ALT) (SHEEP) Antibody Biotin Conjugated
Alanine Transaminase Antibody Biotin Conjugated
Catalog # ASR4829**Specification****Anti-ALANINE TRANSAMINASE (ALT) (SHEEP) Antibody Biotin Conjugated - Product Information**

Host	Sheep
Conjugate	Biotin
Target Species	Swine
Reactivity	Pig
Clonality	Polyclonal
Application	WB, E, I, LCI
Application Note	Anti-Alanine Transaminase has been assayed against 1.0 ug of Alanine Transaminase (ALT) in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azin o-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.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Alanine Transaminase (ALT) [Pig Heart]
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide

Anti-ALANINE TRANSAMINASE (ALT) (SHEEP) Antibody Biotin Conjugated - Additional Information**Other Names**
2875**Purity**

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-Biotin, anti-Sheep Serum as well as purified and partially purified Alanine Transaminase (ALT) [Pig Heart]. Cross reactivity against Alanine Transaminase (ALT) from other sources is unknown.

Storage Condition

Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-ALANINE TRANSAMINASE (ALT) (SHEEP) Antibody Biotin Conjugated - Protein Information

Name GPT

Synonyms AAT1, GPT1

Function

Catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate. Participates in cellular nitrogen metabolism and also in liver gluconeogenesis starting with precursors transported from skeletal muscles (By similarity).

Cellular Location

Cytoplasm.

Anti-ALANINE TRANSAMINASE (ALT) (SHEEP) Antibody Biotin Conjugated - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ALANINE TRANSAMINASE (ALT) (SHEEP) Antibody Biotin Conjugated - Images**Anti-ALANINE TRANSAMINASE (ALT) (SHEEP) Antibody Biotin Conjugated - Background**

Anti-Alanine Transaminase antibody is part of the class-I pyridoxal-phosphate-dependent aminotransferase family. It catalyzes the transfer of the alanine amino group, reversible transamination, to produce pyruvate and glutamate. Located in the cytoplasm, this antibody is a factor in cellular nitrogen metabolism and liver gluconeogenesis. Anti-Alanine Transaminase antibody is ideal for investigators interested in Metabolism, Signal Transduction, and Cancer research.