

Product Datasheet

Alpha-1-Anti-Trypsin Antibody Biotin Conjugated (orb344285)

Catalog Number	orb344285
Description	Alpha-1-Trypsin antibody (Biotin)
Species/Host	Goat
Reactivity	Human
Conjugation	Biotin
Tested Applications	ELISA, WB
Immunogen	a1-Anti-Trypsin [Human Plasma]
Preservatives	0.01% (w/v) Sodium Azide
Form/Appearance	Lyophilized
Concentration	1.0 mg/mL
Storage	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.
Note	For research use only
Application notes	Anti-Alpha-1-Anti-Trypsin has been tested by ELISA and western blot. This product is assayed against 1.0 ug of a-1-anti-Trypsin in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:8,000 to 1:29,000 of the reconstitution concentration is suggested for this product.

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Isotype	IgG
Clonality	Polyclonal
Antibody Type	Primary Antibody
Purity	Anti-Alpha-1-Anti-Trypsin 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 a-1-anti-Trypsin [Human Plasma]. Cross reactivity against a-1-anti-Trypsin from other sources is unknown.
Uniprot ID	P01009
NCBI	NP_000286.3
Dilution Range	ELISA: 1:50,000, WB: 1:2,000 - 1:10,000
Expiration Date	12 months from date of receipt.



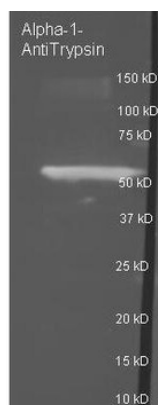
Western Blot of Anti-Trypsin Polyclonal Antibody-Multiplex Fluorescent Western blot. Lane 1: molecular weight. Lane 2: Alpha-1-Anti-Trypsin (red), Rabbit anti-Transferrin, and Mouse-a-GST were used in a multiplex system to detect target proteins under reducing conditions in albumin depleted human serum with 320 ng of added GST. Load: 35 µg per lane. Primary antibody: Each primary antibody at 1:1000 for overnight at 4°C. Secondary antibody: DyLight549 Donkey anti-Rabbit IgG (green), DyLight 488 Donkey anti-Mouse IgG (blue), and DyLight 649 Donkey anti-Goat IgG (red) secondary antibody at 1:10000 for 30 min at RT. Block: orb348637 at 30 min RT.

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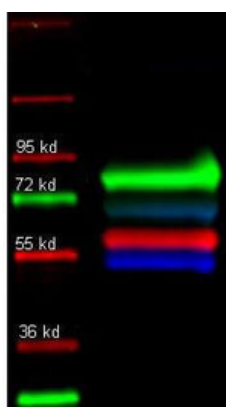
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Western Blot of Goat anti Alpha-1 anti-Trypsin antibody. Lane 1: Alpha-1 anti-Trypsin under reducing conditions. Lane 2: none. Load: 1 µg per lane. Primary antibody: Alpha-1 anti-Trypsin antibody at 1:3000 for overnight at 4°C. Secondary antibody: Dylight 488 conjugated Donkey anti goat secondary antibody at 1:10000 for 45 min at RT. Block: orb348637 overnight at 4°C. Predicted/Observed size: 55kDa for α-1 Anti-Trypsin. Other band(s): none.



Western Blot of goat anti-Alpha 1 anti trypsin antibody. Lane 1: molecular weight. Lane 2: Human transferrin (green); Alpha 1 anti trypsin (red); and Human IgG (Blue) in a multiplex fluorescent western blot of human serum. Load: 35 µg per lane. Primary antibody: Each primary antibody was diluted to 1:1000 for overnight at 4°C. Secondary antibody: Rabbit IgG (H&L) Antibody DyLight™ 649 Conjugated (green), Goat IgG (H&L) Antibody DyLight™ 549 Conjugated (red), Mouse IgG (H&L) Antibody DyLight™ 488 Conjugated (blue) secondary antibody at 1:10000 for ~ 1hr at 4 degrees. Block: Blocking Buffer for Fluorescent Western Blotting - orb348637 overnight at 4°C

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