

Product Datasheet

Alpha-1-Trypsin Antibody (orb750391)

Catalog Number	orb750391
Category	Antibodies
Description	alpha 1 Antitrypsin antibody
Clonality	Polyclonal
Species/Host	Goat
Isotype	Antiserum
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	Lyophilized
Concentration	90 mg/mL
Buffer/Preservatives	0.01% (w/v) Sodium Azide
Purity	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-goat serum, purified and partially purified a1-Anti-Trypsin [Human Plasma]. Cross reactivity against a1-Anti-Trypsin from other sources is unknown.
Immunogen	a1-Anti-Trypsin [Human Plasma]
UniProt ID	P01009
Tested applications	ELISA, IHC, WB
Dilution range	ELISA: 1:20,000 - 1:100,000, IHC: 1:500 - 1:2,500, WB: 1:2,000 - 1:10,000

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Application notes

Anti-Alpha-1-AntiTrypsin has been tested by western blot and is suitable to be assayed against 1.0 ug of Alpha-1-Anti-Trypsin [Human Plasma] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Rabbit) and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:7,000 to 1:30,000 of the reconstitution concentration is suggested for this product.

Antibody Type

Primary Antibody

Storage

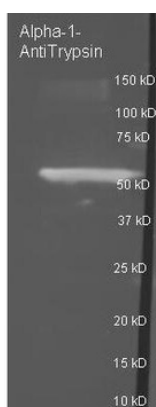
Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute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

Note

For research use only

NCBI

NP_000286.3



Biorbyt Goat anti Alpha-1anti-Trypsin antibody was used to detect Alpha-1anti-Trypsin under reducing (R) conditions. Reduced sample of purified target protein contained 4% BME and were boiled for 5 minutes. Samples of ~1 ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:3000 dilution of primary antibody (ON 4 C in orb348637). Detection shown was using Dylight 488 conjugated Donkey anti goat (1:10K in TBS/orb348637 1 hr RT).

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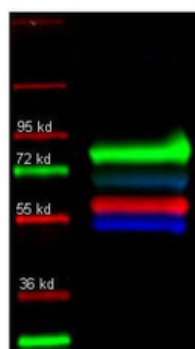
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Biorbyt Goat-anti-Alpha-1-Anti-Trypsin (orb750391, red), Rabbit anti-Transferrin (orb750703), and Mouse-a-GST (orb344400) were used in a multiplex system to detect target proteins under reducing (R) conditions (+4% BME) in albumin depleted human serum with 320 ng of added GST. Sample was run by SDS-PAGE, transferred to 0.2 um PVDF using the BioRad Trans-Blot Turbo and blocked in 2.5% Blotto, 2.5% BSA, 0.02% Tween over night at 4°C. Membrane was probed with three primary antibodies at 1:1000 dilution (in orb348637 over night at 4°C). Detection shown was using DyLight549 Donkey anti-Rabbit IgG (shown as green) DyLight 488 Donkey anti-Mouse IgG (shown as blue), and DyLight 649 Donkey anti-Goat IgG (shown as red) at 1:10000 (in orb348637 30 min RT).



Biorbyt primary and Dylight conjugated secondary antibodies were used to detect: Human transferrin; Alpha 1 anti trypsin; and Human IgG in a multiplex fluorescent western blot of human serum. Each primary antibody was diluted to 1:1000 in Blocking Buffer for Fluorescent Western Blotting - orb348637 and incubated for 2 hrs at RT. Blot was 3X in TTBS, 1X in TBS and probed with secondary antibodies diluted 1:10000) in orb348637 and incubated ~ 1hr at 4 degrees. After wash 2X in TTBS and 2X in TBS, blot was rinsed 2X in MeOH, dried.

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