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Datasheet for 200-4633

Ovalbumin Antibody Biotin Conjugated

Overview

Description:	Anti-Ovalbumin (Hen Egg White) (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - 200-4633
Item No.:	200-4633
Size:	10 mg
Applications:	Dot Blot, ELISA, WB
Reactivity:	Chicken
Host Species:	Rabbit

Product Details

Background:	Ovalbumin Antibody Biotin Conjugated is specific for ovalbumin. Ovalbumin (abbreviated OVA) is the main protein found in egg white, making up 60-65% of the total protein. Ovalbumin displays sequence and three-dimensional homology to the serpin superfamily. The function of ovalbumin is unknown, although it is presumed to be a storage protein or carrier protein.
Synonyms:	rabbit anti-Ovalbumin Antibody biotin Conjugation, biotin conjugated rabbit anti-Ovalbumin antibody, Egg albumin antibody, Plakalbumin, Allergen Gal d II, Allergen=Gal d 2, Hen Egg White
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	10-20

Target Details

Gene Name:	SERPINB14
Reactivity:	Chicken
Immunogen Type:	Native Protein
Immunogen:	Ovalbumin [Hen Egg White]

Purity/Specificity:	Anti-Ovalbumin Antibody Biotin Conjugated 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-Rabbit Serum as well as purified and partially purified Ovalbumin [Hen Egg White]. Cross reactivities against Ovalbumin from other sources may occur but have not been specifically determined.
Relevant Links:	• 200-4633 SDS • UniProtKB - P01012 • NCBI - P01012.2 • GeneID - 396058

Application Details

Tested Applications:	Dot Blot, ELISA, WB
Application Note:	Anti-Ovalbumin Antibody Biotin Conjugated is tested by ELISA, dot blot, and western blotting. In western blots anti-ovalbumin detects a single band of the expected apparent molecular weight. Researchers should determine optimal titers for applications that are not stated below.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:30,000
IP:	1:100
WB:	1:500 - 1:5,000

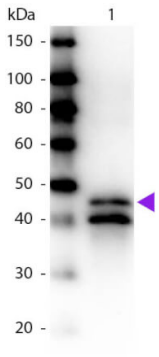
Formulation

Physical State:	Lyophilized
Concentration:	10.0 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
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

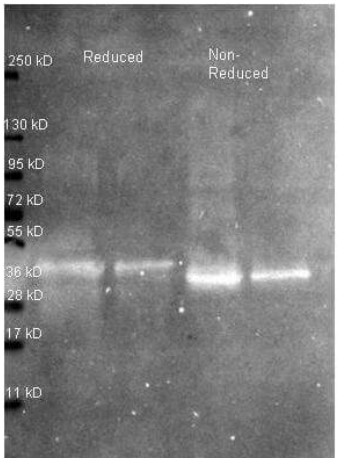
Shipping & Handling

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

Images



Western Blot
Western blot of Biotin conjugated Rabbit Anti-Ovalbumin primary antibody. Lane 1: Ovalbumin. Lane 2: None. Load: 50 ng per lane. Primary antibody: Ovalbumin biotin conjugated primary antibody at 1:1,000 for 60 min at RT. Secondary antibody: Peroxidase streptavidin secondary antibody at 1:40,000 for 30 min at RT. Blocking: MB-070 for 30 min at RT. Predicted/Observed size: 45 kDa, 45 kDa for Ovalbumin. Other band(s): Ovalbumin splice variants and isoforms.



Western Blot
Western Blot of Rabbit anti-Ovalbumin antibody. Lane 1: ~1 µg Ovalbumin protein reduced. Lane 2: 0.25 µg Ovalbumin protein reduced. Lane 3: ~1 µg Ovalbumin protein non-reduced. Lane 4: 0.25 µg Ovalbumin protein non-reduced. Primary antibody: Ovalbumin antibody at 1:5000 for overnight at 4°C. Secondary antibody: Atto 425 conjugated goat anti rabbit secondary antibody at 1:10,000 for 1.5 hr at RT. Block: MB-070 buffer overnight at 4°C. Predicted/Observed size: 42.9 kDa, ~36 kDa for ovalbumin. Other band(s): none.

References

- Fraser CK et al. Induction of both cellular and humoral immunity following a rational prime-boost immunization regimen that incorporates recombinant ovine atadenovirus and fowlpox virus. *Clin Vaccine Immunol.* (2010)

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