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Datasheet for 200-4233

Ovalbumin Antibody Fluorescein Conjugated

Overview

Description:	Anti-Ovalbumin (Hen Egg White) (RABBIT) Antibody Fluorescein Conjugated (BULK ORDER) - 200-4233
Item No.:	200-4233
Size:	10 mg
Applications:	Dot Blot, ELISA, WB, FC, IF
Reactivity:	Chicken
Host Species:	Rabbit

Product Details

Background:	Anti-Ovalbumin Antibody detects Ovalbumin. Ovalbumin is the main protein found in egg white, making up 60-65% of the total protein. It is a non-inhibitory serpin. It is the storage protein of egg white. Anti-Ovalbumin Antibody is ideal for investigators involved in Cell Signaling, Immunology and Signal Transduction research.
Synonyms:	rabbit anti-Ovalbumin Antibody FITC Conjugation, fluorescein conjugated rabbit anti-Ovalbumin antibody, Egg albumin antibody, Plakalbumin, Allergen Gal d II, Allergen=Gal d 2, Hen Egg White
Host Species:	Rabbit
Conjugate:	Fluorescein (FITC)
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	3.6

Target Details

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

Purity/Specificity:	Ovalbumin Antibody 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-fluorescein, anti-Rabbit Serum as well as purified and partially purified Ovalbumin [Hen Egg White]. Cross reactivity against Ovalbumin from other tissues and species may occur but have not been specifically determined.
Relevant Links:	• 200-4233 SDS • UniProtKB - P01012 • NCBI - P01012.2 • GeneID - 396058

Application Details

Tested Applications:	Dot Blot, ELISA, WB
Suggested Applications:	FC, IF (Based on references)
Application Note:	Anti-Ovalbumin fluorescein conjugated antibody has been tested by ELISA, dot blot, and western blot and is suitable for fluorescent western blot, immunofluorescence microscopy, and flow cytometry or FACS analysis as well as other antibody based fluorescent assays. 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:	1:5,000 - 1:20,000
IF:	1:500 - 1:2,500
IP:	1:100
WB:	1:2,000 - 1:10,000

Formulation

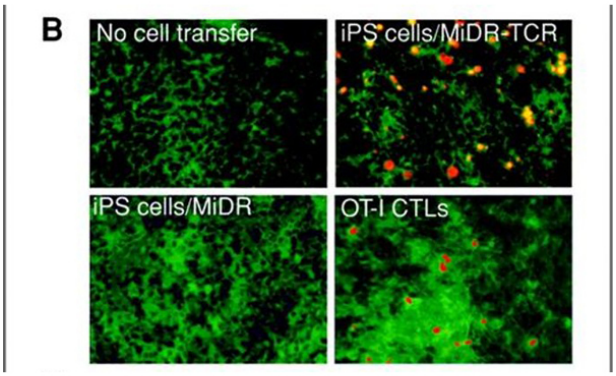
Physical State:	Lyophilized
Concentration:	10.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL

Reconstitution Buffer:	Restore with deionized water (or equivalent)

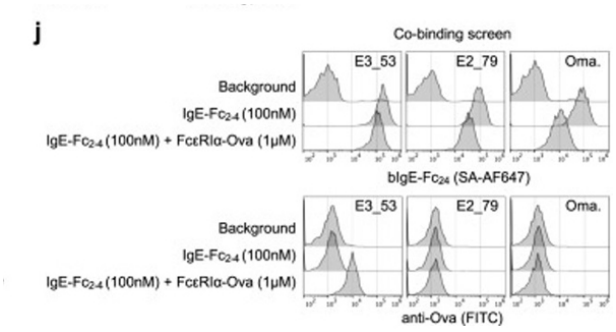
Shipping & Handling

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.

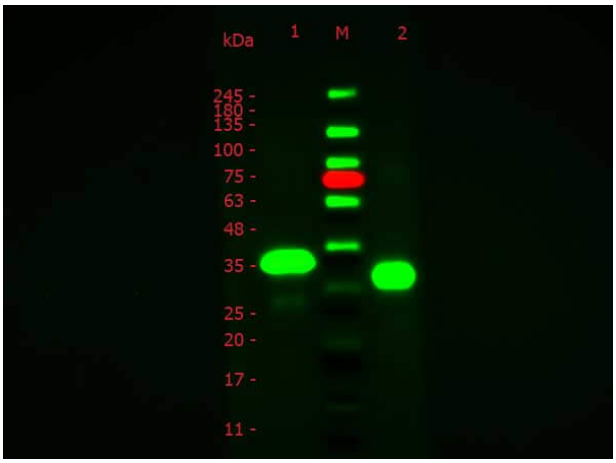
Images



Immunofluorescence Microscopy
B, immunohistologic staining. OVA-specific Vα2+ CTLs (red) infiltrated in OVA-expressing tumor tissues (green). Fig 4.
PMID: 21628492



Flow Cytometry
j Normalized histogram of singlet-cMyc+ yeast anti-IgE controls stained with secondary reagents alone to assess background signal on yeast, binding to bIgE-Fc2–4 alone (100 nM), or co-binding to bIgE-Fc2–4 (100 nM) in complex with FcεRIα-Ova (1 μM). Surface bound bIgE-Fc2–4 was detected with SA-647 (top) and surface bound FcεRIα-Ova was detected with anti-Ova FITC (bottom). Fig 2.
PMID: 34862384



Western Blot
Western Blot of Fluorescein conjugated Rabbit anti-Ovalbumin (Hen Egg white) antibody. Lane 1: Non-Reduced Ovalbumin. Lane 2: Opal Pre-stained Ladder (MB-210-0500). Lane 3: Reduced Ovalbumin. Load: 0.05 µg per lane. Primary antibody: none. Secondary antibody: Fluorescein Rabbit anti-Ovalbumin antibody at 1:1,000 for 60 min at RT. Predicted/Observed size: ~35 kDa.



Dot Blot
Dot Blot of Rabbit anti-Ovalbumin (Hen Egg White) Fluorescein Conjugated. Antigen: Ovalbumin. Load: 100 ng, 33.3 ng, 11.1 ng, 3.7 ng, 1.23 ng as indicated. Primary antibody: N/A Secondary antibody: Rabbit anti-Ovalbulmin (Hen Egg White) antibody Fluorescein Conjugated 1:1,000 for 60 min at RT. Block: Blocking Buffer for Fluorescent Western Blotting (MB-070) for 1 hour at RT.

References

- Arenas-Hernandez M et al. Specific innate immune cells uptake fetal antigen and display homeostatic phenotypes in the maternal circulation. *J Leukoc Biol.* (2022)
- Pennington LF et al. Directed evolution of and structural insights into antibody-mediated disruption of a stable receptor-ligand complex. *Nat Commun.* (2021)
- Lei F et al. In vivo programming of tumor antigen-specific T lymphocytes from pluripotent stem cells to promote cancer immunosurveillance. *Cancer Res.* (2011)

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