

Product Datasheet

Mouse IgG Fc Antibody Alkaline Phosphatase Conjugated (orb347559)

Description	Mouse IgG F(c) antibody (Alkaline Phosphatase)
Species/Host	Rabbit
Reactivity	Mouse
Conjugation	AP
Tested Applications	DOT, ELISA, IHC, WB
Immunogen	Mouse IgG F(c) fragment
Preservatives	0.01% (w/v) Sodium Azide
Form/Appearance	Liquid (sterile filtered)
Concentration	1.0 mg/mL
Storage	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Note	For research use only
Application notes	Anti-Mouse IgG F(c) Alkaline Phosphatase conjugate has been tested by dot blot and ELISA and is suitable for immunoblotting (western or dot blot), ELISA, immunoelectron microscopy and immunohistochemistry as well as other antibody-based enzymatic assays requiring lot-to-lot consistency.
Isotype	IgG
Clonality	Polyclonal
Antibody Type	Secondary Antibody

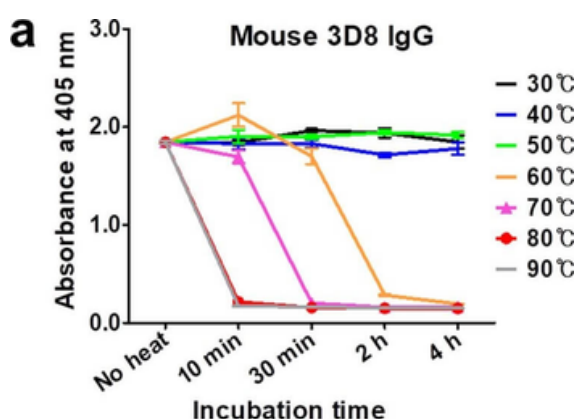
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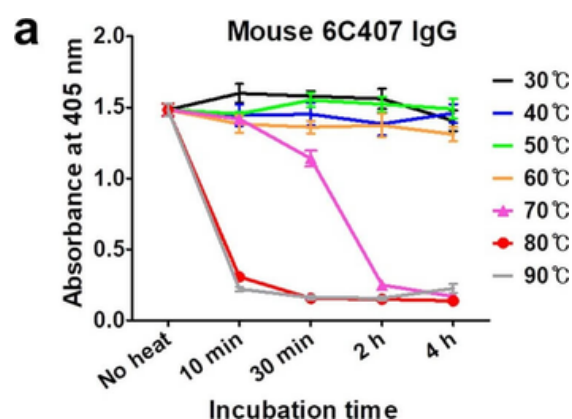
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Purity	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase (calf intestine), anti-Rabbit Serum, Mouse IgG, Mouse IgG F(c) and Mouse Serum. No reaction was observed against Mouse IgG F(ab).
Dilution Range	ELISA: 1:5,000 - 1:15,000, IHC: 1:200 - 1:1,000, WB: 1:500 - 1:2,500
Expiration Date	12 months from date of receipt.



ELISA and SDS-PAGE analysis under thermal stress. (a, c, e) ELISA of the antigen-binding activity of 3D8 antibodies. Purified 3D8-derived antibodies were heated under the specified conditions, placed in wells coated with plasmid DNA antigen (pUC19), and bound 3D8 antibodies were detected with AP-conjugated antibodies specific for mouse IgG/Fc (a), human IgG/Fc (b), or chicken IgY/ ν chain (c). Data are presented as mean \pm SD (n = 3). (b, d, f) SDS-PAGE analysis of antibody integrity. Purified 3D8 antibodies were heated under the specified conditions then subjected to SDS-PAGE under reducing conditions using a 12% polyacrylamide gel, followed by staining with Coomassie Blue.



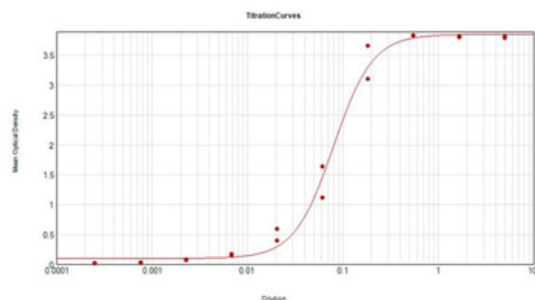
ELISA and SDS-PAGE analysis under thermal stress. (a, c, e) ELISA of the antigen-binding activity of 6C407-derived antibodies. Purified 6C407 antibodies were heated under the specified conditions, placed in wells coated with KIFC143-54 peptide (EDGLEPEKKRTR), and bound 6C407 antibodies were detected with AP-conjugated antibodies specific for mouse IgG/Fc (a), human IgG/Fc (b), or chicken IgY/ ν chain (c). Data are presented as mean \pm SD (n = 3). (b, d, f) SDS-PAGE analysis of antibody integrity. Purified 6C407 antibodies were heated under the specified conditions then subjected to SDS-PAGE under reducing conditions using a 12% polyacrylamide gel, followed by staining with Coomassie Blue.

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ELISA Results of Rabbit Anti-Mouse IgG F(c) Antibody Alkaline Phosphatase Conjugated tested against purified Mouse IgG F(c) Alk Phos. Each well was coated in duplicate with 1.0 μg of Mouse IgG F(c) (p/n orb346280). The working dilution is 1: 12500. The starting dilution of antibody was 5 $\mu\text{g}/\text{ml}$ and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using HRP Conjugated Stabilizer, ELISA Alkaline Phosphatase Conjugation Buffer, NPP Working Buffer.

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