

## Product Datasheet

# F(ab')<sub>2</sub> Mouse IgG Fc Antibody Alkaline Phosphatase Conjugated Antibody Pre-Adsorbed (orb348257)

<b>Description</b>	F(ab') <sub>2</sub> Mouse IgG F(c) antibody (Alkaline Phosphatase)
<b>Species/Host</b>	Goat
<b>Reactivity</b>	Mouse
<b>Conjugation</b>	AP
<b>Tested Applications</b>	ELISA, IHC, WB
<b>Immunogen</b>	Mouse IgG F(c) fragment
<b>Preservatives</b>	0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0
<b>Form/Appearance</b>	Liquid (sterile filtered)
<b>Concentration</b>	1.0 mg/mL
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Application notes</b>	Fab') <sub>2</sub> Anti-Mouse IgG F(c) Alkaline Phosphatase Antibody has been tested by ELISA and is assayed against 1.0 µg of Mouse IgG in a standard capture ELISA using pNPP p-nitrophenyl phosphate code # NPP-10 as a substrate for 30 minutes at room temperature. A working dilution of 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product. Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency.

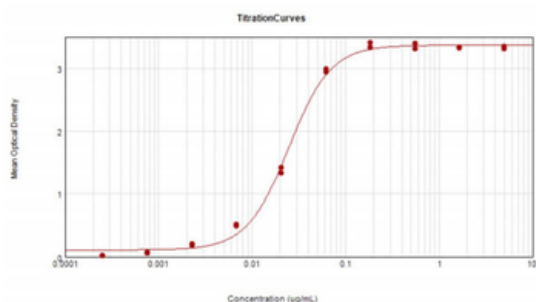
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<b>Isotype</b>	IgG F(ab') <sub>2</sub>
<b>Clonality</b>	Polyclonal
<b>Purity</b>	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase, anti-Goat Serum, Mouse IgG, Mouse IgG F(c) and Mouse Serum. No reaction was observed against anti-Pepsin, anti-Goat IgG F(c), Mouse IgG F(ab) or Bovine, Horse and Human Serum Proteins.
<b>Dilution Range</b>	ELISA: 1:2,000 - 1:10,000, IHC: 1:200 - 1:1,000, WB: 1:500 - 1:2,500
<b>Expiration Date</b>	12 months from date of receipt.



ELISA Results of F(ab')<sub>2</sub> Goat Anti-Mouse IgG F(c) Antibody Alkaline Phosphatase Conjugated. Each well was coated in duplicate with 10 µg of Mouse IgG F(c) (p/n orb346280). The working dilution is 40700. The starting dilution of antibody was 5 µg/ml and the X-axis represents the Log<sub>10</sub> of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC<sub>50</sub> is defined as the titer of the antibody. Assay performed using 3% Fish Gel/PBS, NPP ELISA Alkaline Phosphatase Substrate, and TMB substrate (p/n orb348651).

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