

## Product Datasheet

### Mouse IgG F(ab')<sub>2</sub> Antibody Peroxidase Conjugated (orb347429)

|                            |   |
|----------------------------|---|
| <b>Catalog Number</b>      | orb347429   |
| <b>Description</b>         | Mouse IgG F(ab') <sub>2</sub> antibody (Peroxidase)   |
| <b>Species/Host</b>        | Goat  |
| <b>Reactivity</b>          | Mouse   |
| <b>Conjugation</b>         | HRP   |
| <b>Tested Applications</b> | ELISA, IHC, WB  |
| <b>Immunogen</b>           | Mouse IgG F(ab') <sub>2</sub> fragment  |
| <b>Preservatives</b>       | 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!  |
| <b>Form/Appearance</b>     | Lyophilized   |
| <b>Concentration</b>       | 2.0 mg/mL   |
| <b>Storage</b>             | 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. |
| <b>Note</b>                | For research use only   |
| <b>Application notes</b>   | Anti-MOUSE IgG F(ab') <sub>2</sub> Peroxidase Conjugated Antibody has been tested by ELISA and is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.                           |
| <b>Isotype</b>             | IgG   |

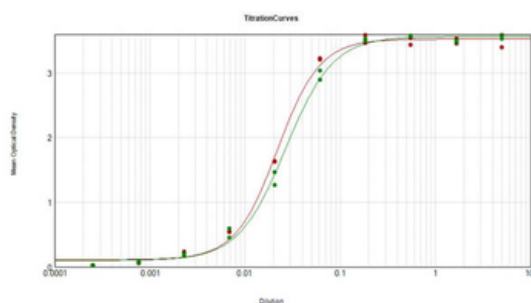
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|                        |  |
|------------------------|--|
| <b>Clonality</b>       | Polyclonal   |
| <b>Antibody Type</b>   | Secondary Antibody   |
| <b>Purity</b>          | Anti-MOUSE IgG F(ab') <sub>2</sub> (GOAT) Antibody was prepared from 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-Peroxidase, anti-Goat Serum, Mouse IgG, Mouse IgG F(ab') <sub>2</sub> and Mouse Serum. No reaction was observed against Mouse IgG F(c). |
| <b>Dilution Range</b>  | ELISA: 1:10,000 - 1:50,000, IHC: 1:500 - 1:2,500, WB: 1:1,000 - 1:5,000  |
| <b>Expiration Date</b> | 12 months from date of receipt.  |



ELISA Results of Goat Anti-Mouse IgG F(ab')<sub>2</sub> Antibody Peroxidase Conjugated tested against purified Mouse IgG F(ab')<sub>2</sub>. Each well was coated in duplicate with 1.0 µg of Mouse IgG (p/n orb2652749) [Red Line], Mouse IgG F(ab')<sub>2</sub> (p/n orb346281) [Green Line]. The working dilution is 1:38000. 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 HRP Conjugate Stabilizer and TMB substrate (p/n orb348651).

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