

## Product Datasheet

# Human IgG F(ab')<sub>2</sub> Antibody Biotin Conjugated (orb347308)

|                      |  |
|----------------------|--|
| Catalog Number       | orb347308  |
| Category             | Antibodies   |
| Description          | Human IgG F(ab') <sub>2</sub> antibody (Biotin)  |
| Clonality            | Polyclonal   |
| Species/Host         | Rabbit   |
| Isotype              | IgG  |
| Conjugation          | Biotin   |
| Reactivity           | Human  |
| Form/Appearance      | Lyophilized  |
| Concentration        | 2.0 mg/mL  |
| Buffer/Preservatives | 0.01% (w/v) Sodium Azide   |
| Purity               | This product was prepared from monospecific antiserum by immunoaffinity chromatography using Human 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-biotin, anti-Rabbit Serum, Human IgG, Human IgG F(ab') <sub>2</sub> and Human Serum. No reaction was observed against Human IgG F(c). |
| Immunogen            | Human IgG F(ab') <sub>2</sub> fragment   |
| Tested applications  | ELISA, IHC, WB   |

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

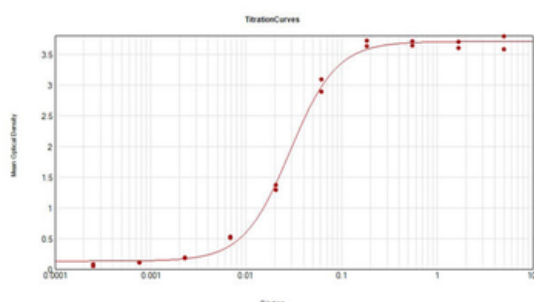
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558

|                          |   |
|--------------------------|---|
| <b>Dilution range</b>    | ELISA: 1:20,000 - 1:100,000, IHC: 1:1,000 - 1:5,000, WB: 1:2,000 - 1:10,000   |
| <b>Application notes</b> | Anti-Human IgG F(ab') <sub>2</sub> Biotin Antibody has been tested by ELISA and is assayed against 1.0 µg of Human IgG in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:30,000 to 1:120,000 of the reconstitution concentration is suggested for this product. |
| <b>Antibody Type</b>     | Secondary Antibody  |
| <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   |



ELISA Results of Rabbit Anti-Human IgG F(ab')<sub>2</sub> Antibody Biotin Conjugate tested against purified Human IgG F(ab')<sub>2</sub> Biotin. Each well was coated in duplicate with 1.0 µg of Human IgG F(ab')<sub>2</sub> (p/n orb346221). The working dilution is 1:34600. 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, Streptavidin-HRP conjugated (p/n orb348767), and TMB substrate (p/n orb348651).

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7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\)1223 859353](tel:+44201223859353) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

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68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+14159065211) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)