

## Product Datasheet

### Sheep IgG Fc Antibody (orb347913)

<b>Description</b>	Sheep IgG F(c) antibody
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Sheep
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	DOT, ELISA, IHC, WB
<b>Immunogen</b>	Anti-Sheep IgG was produced by repeated immunization with sheep IgG F(c) fragment in rabbit.
<b>Preservatives</b>	0.01% (w/v) Sodium Azide
<b>Form/Appearance</b>	Liquid (sterile filtered)
<b>Concentration</b>	2.0 mg/mL
<b>Storage</b>	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
<b>Note</b>	For research use only
<b>Application notes</b>	Anti-Sheep IgG F(c) antibody has been tested by ELISA and dot blot and is assayed against 1.0 ug of Sheep IgG in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:8,000 of the reconstitution concentration is suggested for this product.
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Antibody Type</b>	Secondary Antibody

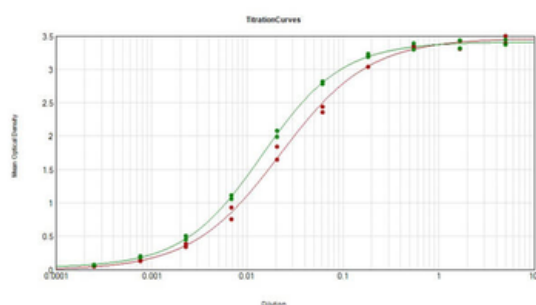
#### Biorbyt Ltd.

7 Signet Court, Swann's 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 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

#### Biorbyt LLC.

68 TW Alexander Drive,  
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:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

<b>Purity</b>	Anti-Sheep IgG F(c) was prepared from monospecific antiserum by immunoaffinity chromatography using Sheep IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Sheep IgG, Sheep IgG F(c) and Sheep Serum. No reaction was observed against Sheep IgG F(ab).
<b>Dilution Range</b>	ELISA: 1:10,000 - 1:200,000, 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 Rabbit Anti-Sheep IgG F(c) Antibody tested against purified Sheep IgG F(c). Each well was coated in duplicate with 1.0 µg of Sheep IgG F(c) (p/n orb346368) [Red Line] and Sheep IgG [Green Line]. The working dilution of Sheep IgG F(c) is 1:45000. The starting dilution of antibody was 5 µg/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 Conjugation Stabilizer, Goat Anti-Rabbit IgG HRP conjugated (p/n orb347654) and TMB substrate (p/n orb348651).

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7 Signet Court, Swann's 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 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

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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:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)