

Product Datasheet

F(ab')₂ Dog IgG (H&L) Antibody Biotin Conjugated (orb348103)

Catalog Number	orb348103
Description	F(ab') ₂ Dog IgG (H&L) antibody (Biotin)
Species/Host	Rabbit
Reactivity	Canine
Conjugation	Biotin
Tested Applications	ELISA, IHC, WB
Immunogen	Dog IgG whole molecule
Preservatives	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Form/Appearance	Lyophilized
Concentration	1 mg/mL
Storage	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.
Note	For research use only
Application notes	F(ab') ₂ Anti-Dog IgG Biotin Antibody has been tested by ELISA and is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.
Isotype	IgG F(ab') ₂

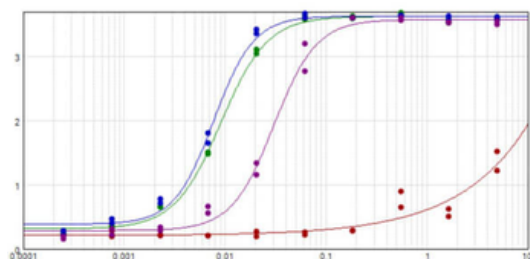
Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, 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, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Clonality	Polyclonal
Antibody Type	Secondary Antibody
Purity	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Dog 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-Biotin, anti-Rabbit Serum, Dog IgG and Dog Serum. No reaction was observed against anti-Pepsin or anti-Rabbit IgG F(c).
Dilution Range	ELISA: 1:20,000 - 1:100,000, IHC: 1:1,000-1:5,000, WB: 1:2,000-1:10,000
Expiration Date	12 months from date of receipt.



ELISA results of purified Rabbit F(ab')₂ Anti-DOG IgG Antibody Biotin Conjugated tested against purified Dog IgG. Each well was coated in duplicate with 1.0 µg of Dog IgG (Blue Line). 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 Blocking buffer, Streptavidin-HRP conjugated (p/n orb348767), and TMB substrate (p/n orb348651).

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