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Datasheet for 609-1604

Human IgG F(ab')2 Antibody Biotin Conjugated

Overview

Description:	Goat Anti-Human IgG F(ab')2 Antibody Biotin Conjugated - 609-1604
Item No.:	609-1604
Size:	2 mg
Applications:	ELISA
Reactivity:	Human
Host Species:	Goat

Product Details

Background:	Anti-Human IgG F(ab')2 Biotin Antibody generated in goat recognizes the dimeric Fab portion of the human IgG molecule. Human IgG F(ab')2 is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH. F(ab')2 molecules lack the Fc portion of IgG and therefore receptors that bind human IgG F(c) will not bind human IgG F(ab')2 molecules. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.
Synonyms:	Goat Anti Human IgG Fab2 Antibody Biotin Conjugated, Goat Anti-Human IgG F(ab')2 Antibody Biotin Conjugated, Goat Anti Human IgG Fab2 Fragment Antibody Biotin Conjugated
Host Species:	Goat
Specificity:	IgG F(ab')2
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Human
Immunogen:	Human IgG F(ab')2 fragment

Purity/Specificity:	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-Goat Serum, Human IgG, Human IgG F(ab')2 and Human Serum. No reaction was observed against Human IgG F(c).

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Human IgG F(ab')2 Biotin Antibody has been tested by ELISA and is ideal for ELISA, western blotting, Immunohistochemistry, Fluorescence Microscopy, Flow Cytometry as well as other antibody detection methods.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:500,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

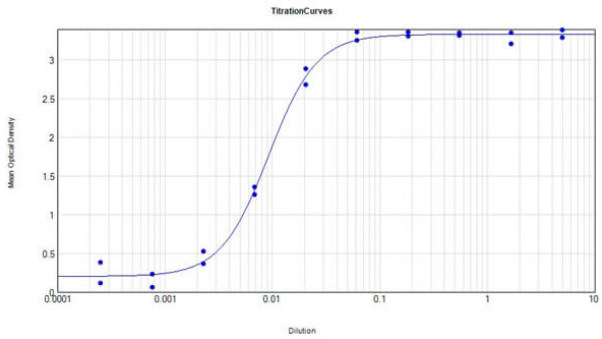
Formulation

Physical State:	Lyophilized
Concentration:	2.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA
ELISA of purified Goat Anti-Human IgG F(ab')2 Antibody Biotin Conjugated tested against purified Human IgG F(ab')2 Biotin. Each well was coated in duplicate with 1.0 µg of Human IgG F(ab')2 (p/n 009-0104). The working dilution is 1:108,000. The starting dilution of antibody was 5µg/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 Conjugate Stabilizer (p/n MB-076), Streptavidin-HRP conjugated (p/n S000-03) and TMB substrate (p/n TMBE-1000).

Disclaimer

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