

Datasheet for ABIN101660

Goat anti-Human IgG (Fc Region) Antibody (Biotin) - Preadsorbed



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1 Image

Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Fc Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Human IgG F(c) fragment
Isotype:	IgG
Specificity:	IgG (H&L)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Purification:	Preadsorption: Solid phase absorption

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody

Target Details

Background: Synonyms: Goat Anti Human IgG Fc Biotin Conjugation Antibody, Goat Anti-Human IgG F(c) Antibody Biotin Conjugated, Goat Anti Human IgG Fc Fragment Antibody Biotin Conjugate
Background: Anti-Human IgG F(c) Biotin Conjugated generated in goat detects Human F(c). A proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme papain under controlled conditions of temperature, time and pH . Receptors bind the Fc portion of human IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity. 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. F(c) Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.

Application Details

Application Notes: Immunohistochemistry Dilution: 1:500 - 1:2,500
Application Note: Anti-Human IgG F(c) Biotin Conjugated is designed for Western Blotting, Immunohistochemistry, ELISA as well as other antibody detection methods.
ELISA Dilution: 1:194,000 - 1:294,000
Western Blot Dilution: 1:1,000 - 1:5,000

Comment: This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Volume: 1.0 mL
Reconstitution Buffer: Restore with deionized water (or equivalent)

Concentration: 1.0 mg/mL

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative: 0.01 % (w/v) Sodium Azide

Preservative: Sodium azide

Handling

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

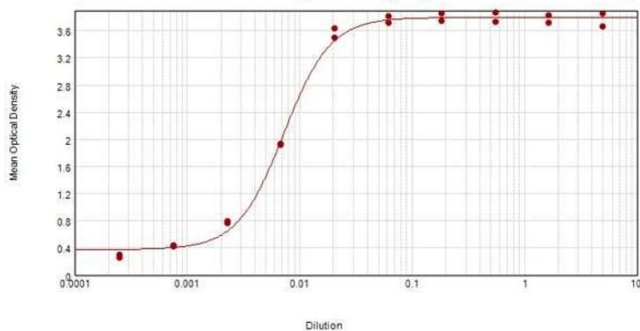
Handling Advice: Aliquot to Avoid repeated freezing and thawing.

Storage: RT, 4 °C, -20 °C

Expiry Date: 12 months

Images

Anti-Human IgG F(c) Sensitivity



ELISA

Image 1. ELISA results of purified Goat anti-Human IgG F(c) Antibody Biotin conjugated tested against purified Human IgG F(c). Each well was coated in duplicate with 1.0 μg of Human IgG F(c). The starting dilution of antibody was 5 $\mu\text{g}/\text{ml}$ 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 3% fish gelatin as blocking buffer, Streptavidin Peroxidase Conjugated and TMB substrate p/n TMBE-1000.