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Datasheet for 609-1104

Human IgG F(ab')2 Antibody

Overview

Description:	Goat Anti-Human IgG F(ab')2 Antibody - 609-1104
Item No.:	609-1104
Size:	2 mg
Applications:	Dot Blot, ELISA, Other
Reactivity:	Human
Host Species:	Goat

Product Details

Background:	Anti-Human IgG F(ab')2 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. Anti-Human IgG F(ab')2 fragment antibody is ideal for investigators in Immunology, Cancer, and Microbiology research.
Synonyms:	Goat Anti-Human IgG Fab2 Antibody, Goat Anti-Human IgG F(ab')2 Antibody
Host Species:	Goat
Specificity:	IgG F(ab')2
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Human
Immunogen:	Human IgG F(ab')2 fragment was produced by repeated immunization with Human IgG F(ab')2 fragment in goat.

Purity/Specificity:	Anti-Human IgG F(ab')2 (GOAT) 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-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:	Dot Blot, ELISA
Suggested Applications:	Other (Based on references)
Application Note:	Anti-Human IgG F(ab')2 fragment has been tested by dot blot and ELISA and is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:14,000 - 1:30,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	2.2 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

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

References

- Crowley-Nowick PA et al. Polyethylene glycol precipitates of serum contain a large proportion of uncomplexed immunoglobulins and C3. *Immunol Invest.* (1996)

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