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Datasheet for 709-1118

F(ab')2 Human IgG F(ab')2 Antibody Pre-Adsorbed

Overview

Description:	Goat F(ab')2 Anti-Human IgG F(ab')2 Antibody (Min X Bv Hs Ms & Rt Serum Proteins) - 709-1118
Item No.:	709-1118
Size:	1 mg
Applications:	Dot Blot, ELISA, IP, WB
Reactivity:	Human
Host Species:	Goat

Product Details

Background:	F(ab')2 Anti-Human IgG F(ab')2 Antibody generated in goat detects F(ab')2 from human. Representing approximately 75% of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. 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(ab')2 Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.
Synonyms:	Goat F(ab')2 Anti-Human IgG F(ab')2 Antibody Pre-Adsorbed, Goat F(ab')2 Anti-Human IgG F (ab')2 Antibody
Host Species:	Goat
Specificity:	IgG F(ab')2
Clonality:	Polyclonal
Format:	IgG F(ab')2

Target Details

Reactivity:	Human
Immunogen Type:	Native Protein

Immunogen:	Anti-Human IgG was produced by repeated immunization with human IgG F(ab')2 fragment in goat.
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, pepsin digestion and chromatographic separation. 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 anti-Pepsin, anti-Goat IgG F(c), Human IgG F(c) or Bovine, Horse, Mouse and Rat Serum Proteins.

Application Details

Tested Applications:	Dot Blot, ELISA
Suggested Applications:	IP, WB (Based on references)
Application Note:	F(ab')2 Anti-Human IgG F(ab')2 Antibody has been tested by ELISA and dot blot and is suitable for immunoblotting (western or dot blot), ELISA, and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring lot-to-lot consistency.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:25,000
IHC:	1:500 - 1:2,500
WB:	1:1,000 - 1:5,000

Formulation

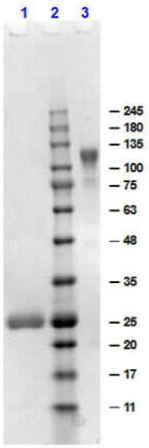
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

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.

Images



SDS-PAGE
SDS-PAGE results of Goat F(ab')2 Anti-Human IgG F(ab')2 Antibody. Lane 1: reduced Goat F(ab')2 Anti-Human IgG F (ab')2. Lane 2: Opal PreStained Molecular Weight Ladder (p/n MB-210-0500). Lane 3: non-reduced Goat F(ab')2 Anti-Human IgG F(ab')2. Load: 1.0µg. 4-20% SDS Gel, Coomassie Blue Stained.

References

- Chen K et al. Molecular mediators for raft-dependent endocytosis of syndecan-1, a highly conserved, multifunctional receptor. *J Biol Chem.* (2013)
- Zheng X et al. Heterogeneous expression of CD32 and CD32-mediated growth suppression in human myeloma cells. *Haematologica.* (2006)

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