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HUMAN IgG F(ab')2

Catalog # ASR2302

Product Information

Description	HUMAN IgG F(ab')2 fragment
Conjugate	Unconjugated
Physical State	Lyophilized
Host Isotype	IgG F(ab')2
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Species of Origin	Human
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide

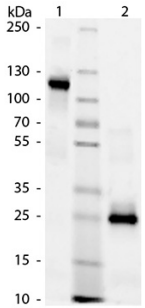
Additional Information

Shipping Condition	Ambient
Application Note	Human IgG F(ab')2 Fragment can be utilized as a control or standard reagent in SDS, Western Blotting, and ELISA experiments.
Purity	Human IgG F(ab')2 was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation, ion exchange chromatography and pepsin digestion followed by chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Human Serum, anti-Human IgG and anti-Human IgG F(ab')2. No reaction was observed against anti-Human IgG F(c) or anti-Pepsin.
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.
Precautions Note	This product is for research use only and is not intended for therapeutic or diagnostic applications.

Background

Human IgG F(ab')2 purified protein is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH. Human IgG F(ab')2 molecules lack the Fc portion of Human IgG and therefore receptors that bind Human IgG Fc will not bind Human IgG F(ab')2 molecules.

Images



SDS-Page of Human IgG F(ab')2 Fragment. Lane 1: Human F(ab')2 – Non-Reduced. Lane 2: Human F(ab')2 – Reduced. Load: 1.0 µg per lane. Predicted/observed size: 25 kDa – Reduced, 120 kDa – Non-Reduced for F(ab')2 fragment. Other band(s): None.