

# 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 Reconstitution Volume** 1.0 mL

**Reconstitution Buffer** Restore with deionized water (or equivalent)

Stabilizer None

**Preservative** 0.01% (w/v) Sodium Azide

#### **Additional Information**

**Ambient Shipping Condition** 

**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.

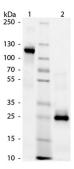
**Precautions Note** This product is for research use only and is not intended for therapeutic or

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.