

Datasheet for ABIN101848

Rabbit anti-Mouse IgG (F(ab')₂ Region) Antibody (HRP) - Preadsorbed



[Go to Product page](#)

2 Images

Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	F(ab') ₂ Region
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	HRP
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Purpose:	Mouse IgG F(ab') ₂ Antibody Peroxidase Conjugated Pre-Adsorbed
Immunogen:	Optional[Immunogen]: Mouse IgG F(ab') ₂ fragment
Isotype:	IgG
Cross-Reactivity (Details):	Minimal crossreactivity against Human Serum Proteins Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, Mouse IgG, Mouse IgG F(ab') ₂ and Mouse Serum. No reaction was observed against Mouse IgG F(c) or Human Serum Proteins.
Characteristics:	Anti-Mouse IgG Peroxidase Antibody generated in rabbit detects reactivity to Mouse IgG.
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	<p>Anti-Mouse IgG F(ab')₂ Peroxidase Antibody generated in rabbit recognizes the dimeric Fab portion of the mouse IgG molecule. Mouse 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 mouse IgG F(c) will not bind mouse IgG F(ab')₂ Molecules.</p> <p>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.</p>

Application Details

Application Notes:	<p>Application Note: Anti-Mouse IgG F(ab')₂ Peroxidase conjugate is suitable for immunoblotting (western or dot blot), ELISA, immunoelectron microscopy and immunohistochemistry as well as other antibody-based enzymatic assays requiring lot-to-lot consistency.</p> <p>Immunohistochemistry Dilution: 1:500 - 1:2,000 Western Blot Dilution: 1:500 - 1:2,000 ELISA Dilution: 1:16,000 Other: User Optimized</p>
Restrictions:	For Research Use only

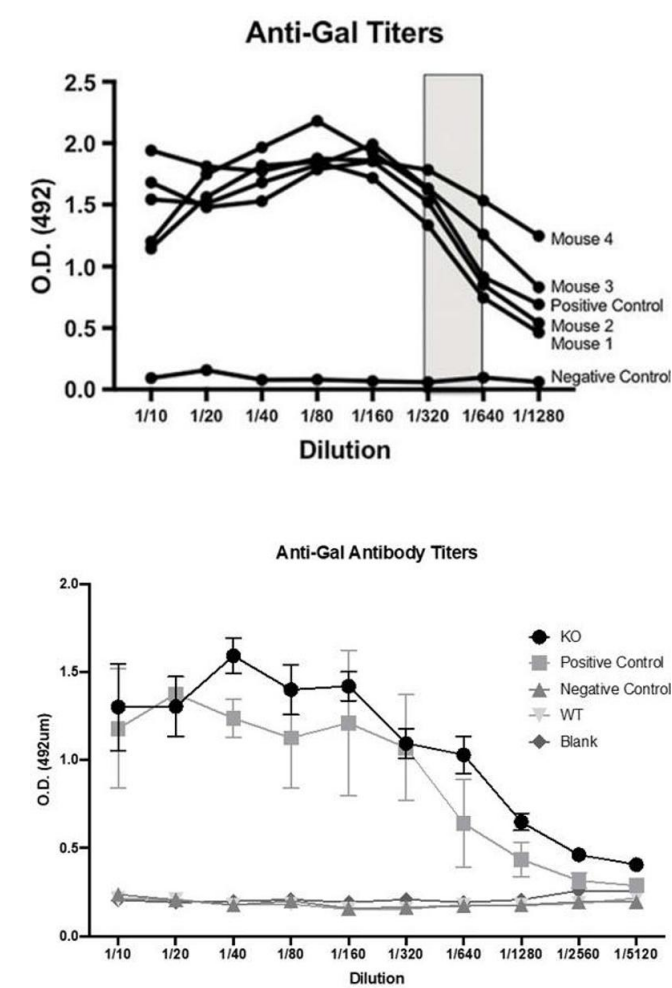
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 1.0 mL
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) Gentamicin Sulfate. Do NOT add Sodium Azide!
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



ELISA

Image 1. Titers for anti-Gal antibodies. Serial 1:2 dilutions of serum from α 1,3galactosyltransferase knockout mice were incubated on plates coated with α -gal-linked bovine serum albumin. Titers of 1:160 or greater were considered immunity comparable with human titers and appropriate for use in experimentation. Highlighted area in yellow shows titers of tested mice at 1:320 and 1:640, greater than the needed threshold. FIGURE 1. PMID: 29481481.

ELISA

Image 2. Titers for anti-Gal antibodies. Serial 1:2 dilutions of serum from α 1,3galactosyltransferase knockout mice were incubated on plates coated with α -gal-linked bovine serum albumin. Titers of 1:160 or greater were considered immunity comparable with human titers and appropriate for use in experimentation. Supplementary Figure 1. PMID: 34348342.