Datasheet for ABIN101781

Rabbit anti-Mouse IgG (Heavy & Light Chain) Antibody (HRP)

2 Images | 1 Publication

Go to Product page

Overview

Quantity:	20 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	HRP
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Purpose:	Mouse IgG (H&L) Antibody Peroxidase Conjugated
Immunogen:	Optional[Immunogen]: Mouse IgG whole molecule
Isotype:	IgG
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, Mouse IgG and Mouse Serum.
Characteristics:	Anti-Mouse IgM fluorescein antibody specifically detects mouse IgM.
Purification:	This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above.

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75 % of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both the Heavy and Light chains of the antibody molecule are present. 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.

Application Details

Application Notes:	Application Note: This product is designed for ELISA and western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. Immunohistochemistry Dilution: 1:500 - 1:2,500 Western Blot Dilution: 1:1,000 - 1:10,000 ELISA Dilution: 1:10,000 - 1:50,000 Other: User Optimized
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 2.0 mL
Concentration:	10.0 mg/mL
Buffer:	Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free , Preservative:None
Preservative:	Without preservative
Storage:	4 °C,-20 °C

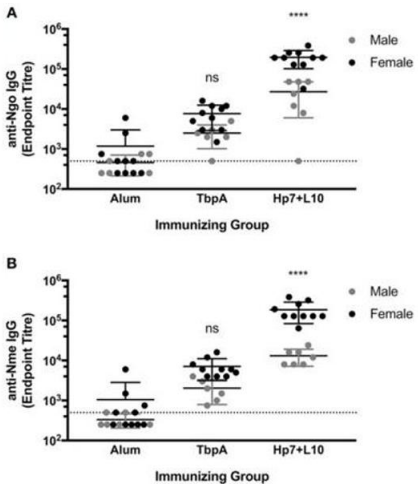
Handling

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

Publications

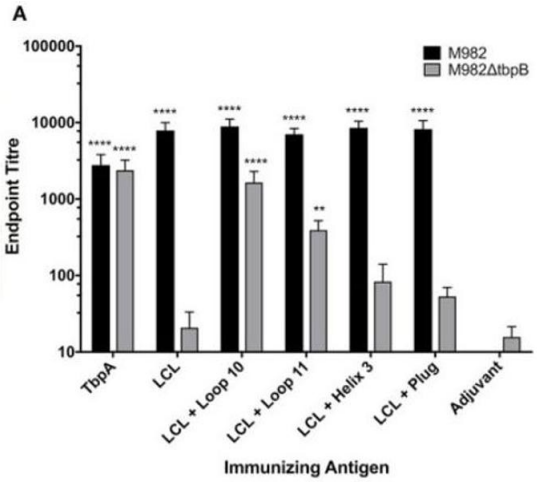
Product cited in:	Gullicksen, Hausman, Dean, Hartzell, Baile: "Adipose tissue cellularity and apoptosis after intracerebroventricular injections of leptin and 21 days of recovery in rats." in: **International journal of obesity and related metabolic disorders : journal of the International Association for the Study of Obesity**, Vol. 27, Issue 3, pp. 302-12, (2003) (PubMed).

Images



ELISA

Image 1. Whole-cell serum IgG ELISA titres of mice immunized with alum, TbpA or Hp7-L10 when captured by (A) heat-killed N. gonorrhoeae strain MS11 or (B) heat-killed N. meningitidis strain M982. Female mice were used in the lower genital tract gonococcal colonization, while male mice were challenged systemically with N. meningitidis. Significance was determined as a significant increase in titer compared with mice that received alum alone by ordinary one-way ANOVA with post-hoc analysis by Dunnett's multiple comparisons test. ****p < 0.0001. Figure 6. PMID: 30837995.



ELISA

Image 2. In vitro characterization of the LCL scaffold and the LCL-TbpA hybrid antigens. (A) Mouse sera were evaluated in a whole cell ELISA against both wild-type N. meningitidis M982 (Black) and M982 with TbpB knocked out (M982ΔtbpB, Gray). Sera were assayed in triplicate from individual mice (4 to 5 mice per group) and averaged and displayed as mean +/- SEM. Significance was determined as a significant increase in titer compared with mice that received adjuvant alone by two-way ANOVA with Sidak's multiple comparison test for both wildtype and knockout data sets. **p ≤ 0.01, ****p ≤ 0.0001. Figure 5. PMID: 30837995.