

Datasheet for ABIN102262

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



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Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	HRP
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Purpose:	Sheep IgG (H&L) Antibody Peroxidase Conjugated Pre-Adsorbed
Immunogen:	Optional[Immunogen]: Sheep IgG whole molecule
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, Sheep IgG and Sheep Serum. No reaction was observed against Human Serum Proteins.
Characteristics:	Anti-Sheep IgG F(ab') ₂ Antibody generated in rabbit recognizes the dimeric Fab portion of the sheep IgG molecule. Sheep 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 sheep IgG F(c) will not bind sheep IgG F(ab') ₂ Molecules. Secondary Antibodies are

Product Details

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. This Anti-Sheep IgG F(ab')₂ is conjugated to Peroxidase.

Purification: Secondary Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Sheep 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: HRP Conjugated Secondary Antibody is designed for western blotting, ELISA and Immunohistochemistry. Horseradish peroxidase conjugated antibodies are ideal for antibody detection assays that require lot-to-lot consistency.

Application Details

Application Notes: Application Note: Anti-Sheep IgG Peroxidase Conjugated Antibody has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays. Immunohistochemistry Dilution: 1:300 - 1:1,500 Western Blot Dilution: 1:500 - 1:3,000 ELISA Dilution: 1:5,000 - 1:22,000 Other: User Optimized

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!

Handling

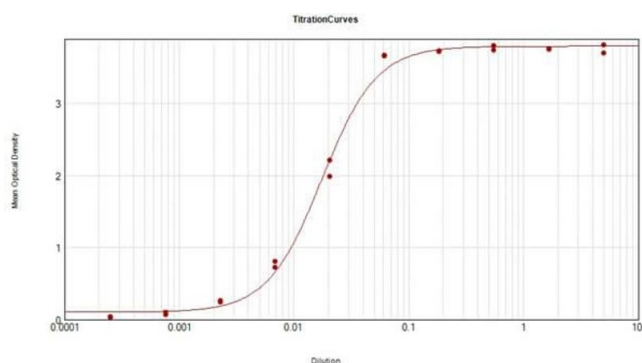
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store secondary antibody at 4° C prior to restoration. For extended storage aliquot contents 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: Bissoon-Haqqani, Moyana, Jonker, Maroun, Birnboim: "Nuclear expression of thymidylate synthase in colorectal cancer cell lines and clinical samples." in: **The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society**, Vol. 54, Issue 1, pp. 19-29, (2006) ([PubMed](#)).

Cripe, Gelfanov, Smith, Spigel, Phillips, Gabig, Jung, Fyffe, Hartman, Kneebone, Mercola, Burgess, Boswell: "Role for c-jun N-terminal kinase in treatment-refractory acute myeloid leukemia (AML): signaling to multidrug-efflux and hyperproliferation." in: **Leukemia**, Vol. 16, Issue 5, pp. 799-812, (2002) ([PubMed](#)).

Images



ELISA

Image 1. ELISA Results of Rabbit Anti-Sheep IgG Antibody Peroxidase Conjugate (Min X Human Serum Proteins) tested against purified Sheep IgG Min X Hu HRP. Each well was coated in duplicate with 1.0 µg of Sheep IgG (p/n 013-0102). The working dilution is 1:57000. The starting dilution of antibody was 5 µg/mL and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the

antibody.