Datasheet for ABIN7539582

Goat anti-Human IgG (Heavy & Light Chain) Antibody (HRP)

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Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	HRP
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Dot Blot (DB), Immunoelectron Microscopy (IEM)

Product Details

Purpose:	Goat Anti-Human IgG H&L (HRP)
Immunogen:	Anti-Human IgG (H&L) was produced by repeated immunization with human IgG whole molecule in goat. Immunogen Type: Native Protein
Isotype:	IgG
Specificity:	IgG (H&L)
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Human IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Human IgG and Human Serum.

Product Details

Grade:	High-quality product from Rockland

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Immunoglobulin heavy constant gamma 1, Ig gamma-1 chain C region, Ig gamma-1 chain C region EU, Ig gamma-1 chain C region KOL, Ig gamma-1 chain C region NIE, IGHG1

Application Details

Application Notes:	Anti-Human IgG (H&L) peroxidase conjugated antibody has been tested by dot blot and 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 requiring lot-to-lot consistency.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Restore with deionized water (or equivalent)
Concentration:	2.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Gentamicin Sulfate, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
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 Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
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

Handling

	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:

Jian, Xiujian, Yuangang, Yan, Lianchao, Duthie, Yan: "Evaluation of antibody detection against the NDO-BSA, LID-1 and NDO-LID antigens as confirmatory tests to support the diagnosis of leprosy in Yunnan province, southwest China." in: **Transactions of the Royal Society of Tropical Medicine and Hygiene**, Vol. 114, Issue 3, pp. 193-199, (2021) (PubMed).

Phan, Subramanian, Kim, Murphy, Pettie, Carter, Anishchenko, Barrett, Craig, Tillery, Shek, Harrington, Koelle, Wald, Veesler, King, Boonyaratanakornkit, Isoherranen, Greninger, Jerome, Chu, Staker et al.: "In silico detection of SARS-CoV-2 specific B-cell epitopes and validation in ELISA for serological diagnosis of COVID-19. ..." in: **Scientific reports**, Vol. 11, Issue 1, pp. 4290, (2021) (PubMed).

Huang, Tan, Chen, Huang, Harvey, Hussain, Chen, Harding, Gilbert-Jaramillo, Liu, Knight, Schimanski, Shih, Lin, Cheng, Cheng, Huang, Lin, Jan, Ma, James, Daniels, McCauley, Rijal, Townsend: "Breadth and function of antibody response to acute SARS-CoV-2 infection in humans." in: **PLoS pathogens**, Vol. 17, Issue 2, pp. e1009352, (2021) (PubMed).

Serrano-Coll, Muñoz, Camilo Beltrán, Duthie, Cardona-Castro: "Anti-natural octyl disaccharide-leprosy IDRI diagnostic (NDO-LID) antibodies as indicators of leprosy reactions and neuritis." in: **Transactions of the Royal Society of Tropical Medicine and Hygiene**, Vol. 111, Issue 3, pp. 125-131, (2018) (PubMed).