

Datasheet for ABIN1607841
anti-LPO antibody (Biotin)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	LPO
Reactivity:	Cow
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This LPO antibody is conjugated to Biotin
Application:	Western Blotting (WB), Immunoprecipitation (IP), ELISA, Dot Blot (DB)

Product Details

Purpose:	Anti-Lactoperoxidase Antibody Biotin Conjugated
Immunogen:	Immunogen: Lactoperoxidase [Bovine Milk] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Sheep Serum as well as purified and partially purified Lactoperoxidase [Bovine Milk].
Characteristics:	Synonyms: sheep anti-Lactoperoxidase biotin conjugated Antibody, biotin conjugated sheep anti-Lactoperoxidase Antibody, LPO antibody, Salivary peroxidase antibody, SAPX antibody, SPO antibody
Purification:	Anti-Lactoperoxidase (Bovine Milk) (Sheep) Antibody Biotin Conjugated 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

Product Details

against the buffer stated above.

Target Details

Target:	LPO
Alternative Name:	Lactoperoxidase (LPO Products)
Background:	<p>Background: Lactoperoxidase antibody recognizes the lactoperoxidase protein.</p> <p>Lactoperoxidase catalyzes the oxidation of a number of inorganic and organic substrates by hydrogen peroxide. Lactoperoxidase plays an important role in killing bacteria in milk.</p> <p>Lactoperoxidase conjugated to Biotin is used to detect the specific target of the lactoperoxidase protein. Lactoperoxidase conjugated to Biotin is suitable for researchers in immunology and biochemistry.</p>
Gene ID:	280844
NCBI Accession:	NP_776358
UniProt:	P80025

Application Details

Application Notes:	<p>Application Note: Anti-Lactoperoxidase Biotin Conjugated Antibody has been tested by Dot blot and western blot and is suitable to be assayed against 1.0 µg of Lactoperoxidase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:6,000 of the reconstitution concentration is suggested for Anti-Lactoperoxidase.</p> <p>Western Blot Dilution: 1:50 - 1:500</p> <p>Immunoprecipitation Dilution: 1:100</p> <p>ELISA Dilution: 1:500 - 1:2,000</p> <p>Other: User Optimized</p>
Restrictions:	For Research Use only

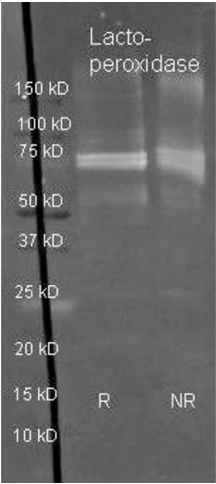
Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>

Handling

Concentration:	10 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) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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



Western Blotting

Image 1. Sheep anti Lactoperoxidase antibody was used to detect Lactoperoxidase under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target proteins contained 4% BME and were boiled for 5 minutes. Samples of ~1ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:3000 dilution of primary antibody (ON 4 C in ABIN925618). Detection shown was using Dylight 488 conjugated secondary antibody (605-741-125 lot 21094 1:10K in TBS/ABIN925618 1 hr RT). Images were collected using the BioRad VersaDoc System