



Anti-LACTOPEROXIDASE (Bovine Milk) (SHEEP) Antibody - 200-601-146-0100

Code: 200-601-146-0100

Size: 100 µg

Product Description: Anti-LACTOPEROXIDASE (Bovine Milk) (SHEEP) Antibody - 200-601-146-0100

PhysicalState: Lyophilized

Label	Unconjugated
Host	Sheep
Gene Name	LPO
Species Reactivity	bovine
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	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.
Synonyms	sheep anti-Lactoperoxidase Antibody, LPO antibody, Salivary peroxidase antibody, SAPX antibody, SPO antibody
Application Note	LACTOPEROXIDASE antibody has been assayed against 1.0 ug of Lactoperoxidase [Bovine Milk] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Sheep IgG [H&L] (Rabbit) code #613-4302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:5,000 of the reconstitution concentration is suggested for this product.
Background	Lactoperoxidase is an antimicrobial agent which utilizes hydrogen peroxide and thiocyanate (SCN) to generate the antimicrobial substance hypothiocyanous acid (HOSCN). It may protect the udder from infection and promote growth in newborn calves. It inhibits growth of the following bacterial species: E.coli, K.pneumoniae, P.aeruginosa, S.sonnei, S.saphrophyticus, S.epidermidis, and S.dysenteriae.
Purity And Specificity	Anti-LACTOPEROXIDASE 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. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Sheep Serum as well as purified and partially purified Lactoperoxidase [Bovine Milk]. Cross reactivity against Lactoperoxidase from other tissues and species may occur but have not been specifically determined.
Assay Dilutions	User Optimized
ELISA	1:5,000 - 1:20,000
Western Blot	1:500 - 1:5,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Lactoperoxidase [Bovine Milk]

Related Products

613-4302	Anti-SHEEP IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 613-4302
613-442-002	Anti-SHEEP IgG (H&L) (RABBIT) Antibody DyLight™ 549 Conjugated - 613-442-002
613-742-168	Anti-SHEEP IgG (H&L) (DONKEY) Antibody DyLight™ 549 Conjugated (Min X Ch GP Ham Hs Hu Ms Rb & Rt Serum Proteins) - 613-742-168

B304

NORMAL GOAT SERUM (NGS) - B304

Related Links

UniProtKB - P80025

<http://www.uniprot.org/uniprot/P80025>

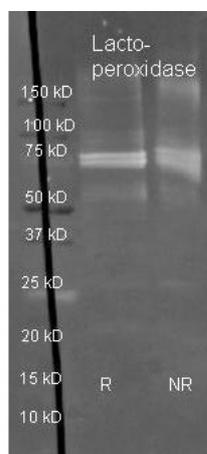
NCBI - P80025.1 <http://www.ncbi.nlm.nih.gov/protein/P80025.1>

GeneID - 280844

Images

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Rockland Sheep anti Lactoperoxidase antibody (200-601-146 lot 5243) 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 MB-070). Detection shown was using Dylight 488 conjugated secondary antibody (605-741-125 lot 21094 1:10K in TBS/MB-070 1 hr RT). Images were collected using the BioRad VersaDoc System



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.