ROCKLAND

Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 200-4336S

Beta Galactosidase Antibody Peroxidase Conjugated

Overview

Description:	Anti-Beta Galactosidase (E. coli) (RABBIT) Antibody Peroxidase Conjugated - 200-4336S
Item No.:	200-4336S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	b-GAL
Host Species:	Rabbit

Product Details

Background:	β-galactosidase, (beta-gal or β-gal), is a hydrolase enzyme that catalyzes the hydrolysis of β-galactosides into monosaccharides. It may also cleave fucosides and arabinosides but with much lower efficiency. It is an essential enzyme in the human body. Deficiencies in the protein can result in galactosialidosis or Morquio B syndrome.
Synonyms:	rabbit anti-Beta Galactosidase Antibody Peroxidase Conjugation, HRP conjugated rabbit anti-Beta Galactosidase Antibody, rabbit anti-beta gal HRP conjugated antibody
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	b-GAL
Immunogen Type:	Native Protein
Immunogen:	Beta Galactosidase (E.coli)

Purity/Specificity:	Beta Galactosidase 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-Peroxidase, and anti-Rabbit Serum as well as purified and partially purified Beta Galactosidase [E.coli]. Cross reactivity against Beta Galactosidase from other tissues and species may occur but have not been specifically determined. Very low background staining has been reported in various assays.
Relevant Links:	• UniProtKB - P00722 • NCBI - NP_414878.1

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Beta Galactosidase Peroxidase Conjugated Antibody has been tested by ELISA and Western blot and is suitable for dot blot, immunofluorescence microscopy, immunoprecipitation, conjugation and most immunological methods requiring high titer and specificity. The antibody should recognize both frozen tissue sections, paraffin embedded tissue and 4% paraformaldehyde fixed tissue for most immunohistochemical analysis. A 1:5,000 dilution has been reported to be successful for staining by immunoblot of beta-galactosidase fusion proteins after transfer using a semi-dry transfer apparatus. Optimal titers for other applications should be determined by the researcher.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:2,000 - 1:5,000
IHC:	1:250
WB:	1:500 - 1:2,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

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.