

Product Datasheet

Alkaline Phosphatase, Bacterial Antibody - BSA Free NB600-500-100ug

Unit Size: 100 ug

Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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NB600-500-100ug

Alkaline Phosphatase, Bacterial Antibody - BSA Free

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Reconstitution Instructions	Reconstitute with 100 ul deionized water (or equivalent)
Isotype	IgG
Purity	Multi-step
Buffer	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>This antibody 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-Rabbit Serum as well as purified and partially purified Alkaline Phosphatase [E.coli]</p> <p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C 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 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Rabbit
Gene ID	945041
Gene Symbol	phoA
Species	E. coli
Reactivity Notes	Cross reactivity against Alkaline Phosphatase, Bacterial from other tissues and species may occur but have not been specifically determined. Some minimal cross reactivity has been reported when lysates of cell extracts overproducing E.coli proteins are probed.
Specificity/Sensitivity	Cross reactivity against Alkaline Phosphatase, Bacterial from other tissues and species may occur but have not been specifically determined. Some minimal cross reactivity has been reported when lysates of cell extracts overproducing E.coli proteins are probed.
Immunogen	Alkaline Phosphatase, Bacterial, Bacterial [E.coli] (Uniprot: P00634)
Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:4000-1:20000

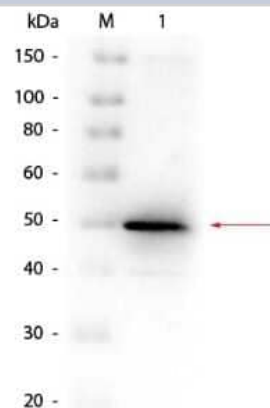


Application Notes

This product has been tested against 1.0 ug of Alkaline Phosphatase [E.coli] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:25,000 to 1:125,000 of the reconstitution concentration is suggested for this product. A 1:10,000 dilution has been reported to be useful for the detection by immunoblot of an integral membrane protein from a gram-positive organism expressed as a LacZ/PhoA chimeric derivative in E.coli. The researcher should determine optimal titers for other applications.

Images

Western Blot: Alkaline Phosphatase, Bacterial Antibody [Biotin] [NB600-500] - Lane 1: Alkaline Phosphatase (E. Coli). Load: 50 ng per lane. Primary antibody: Rabbit anti-Alkaline Phosphatase (E. Coli) Antibody at 1:1,000 overnight at 4C. Secondary antibody: Peroxidase Rabbit secondary antibody at 1:40,000 for 30 min at RT. Block: incubated with blocking buffer for 30 min at RT. Predicted/Observed size: 50 kDa, 50 kDa for Alkaline Phosphatase (E. Coli).

**Publications**

Paino A, Ahlstrand T, Nuutila J et al. Identification of a Novel Bacterial Outer Membrane Interleukin-1beta-Binding Protein from *Aggregatibacter actinomycetemcomitans*. PLoS One 2013-07-31 [PMID: 23936223] (WB)

Sirinyan, M et al. Hyperoxic exposure leads to nitrative stress and ensuing microvascular degeneration and diminished brain mass and function in the immature subject. Stroke;37(11):2807-15. 2006-11-01 [PMID: 17008616]



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Products Related to NB600-500-100ug

NBP2-29370	Streptavidin Native Protein
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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