

# Product Datasheet

## Lysozyme Antibody - BSA Free NBP1-77790

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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**NBP1-77790**

Lysozyme Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Multi-step
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Product Description	
Description	<p>This purified antibody is directed against lysozyme from hen egg white protein. This product 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 Lysozyme (Hen Egg White)</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. 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	4069
Gene Symbol	LYZ
Species	Chicken
Reactivity Notes	A BLAST analysis was used to suggest that this antibody would react with all forms of lysozyme from chicken, including precursor as well as A and B chains. Chains designated as M, L, F, C, Y and D also show 100% sequence homology. Lysozyme from quail and pheasant are also reported to be 100% identical with HEW lysozyme. Cross reactivity against lysozyme from other sources may occur but has not been specifically determined
Marker	Histiocytic Marker
Specificity/Sensitivity	This purified antibody is directed against lysozyme from hen egg white protein.
Immunogen	This purified Lysozyme Antibody was prepared from whole rabbit serum produced by repeated immunizations with full length protein corresponding to amino acids 1-129 of Hen Egg White Lysozyme. (Uniprot: Q6LEL2)

Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:25000, Immunohistochemistry 1:500-1:2000, Immunoprecipitation 1:100, Immunohistochemistry-Paraffin 1:10-1:500



**Application Notes**

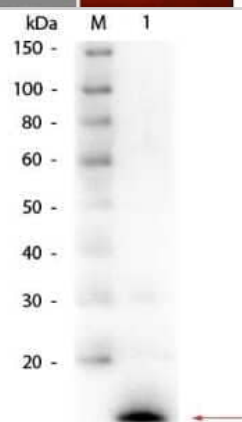
This product has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band at ~14 kDa in size corresponding to lysozyme by western blotting in the appropriate cell lysate or extract.

**Images**

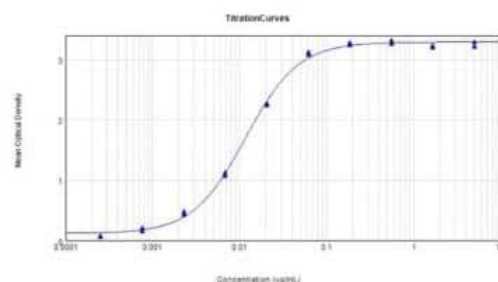
Western Blot: Lysozyme Antibody [NBP1-77790] - Western Blot of Lysozyme antibody. (Left Blot-grey) Lane 1: purified Lysozyme reduced. Lane 2: purified Lysozyme non-reduced. Load: 0.5 ug per lane. Primary antibody: Biotin Conjugated Rabbit anti Lysozyme antibody at 1:5000 for overnight at 4C. Secondary antibody: Dylight 488 conjugated Streptavidin at 1:5,000 with Atto 425 conjugated goat anti rabbit secondary antibody at 1:10,000 for 1.5 hrs at RT. (Right Blot-red) Lane 1: purified Lysozyme reduced. Lane 2: purified Lysozyme non-reduced. Secondary antibody: Dylight 488 conjugated Streptavidin at 1:5,000 with Dylight 549 conjugated secondary antibody at 1:10,000 for 1.5 hrs at RT. Block overnight at 4C. Predicted/Observed size: 4.9kDa, 5kDa for Lysozyme. Other band(s): none.



Western Blot: Lysozyme Antibody [NBP1-77790] - Western Blot of Lysozyme antibody. Lane 1: Lysozyme (Hen Egg White). Load: 50 ng per lane. Primary antibody: Lysozyme antibody at 1:1,000 overnight at 4C. Secondary antibody: HRP rabbit secondary antibody at 1:40,000 for 30 min at RT. Block for 30 min at RT. Predicted/Observed size: 4.9 kDa, 4.9 kDa for Lysozyme (Hen Egg White).



ELISA: Lysozyme Antibody [NBP1-77790] - ELISA Results of Lysozyme antibody. Each well was coated in duplicate with 1.0 ug of Lysosome. The working dilution is 1:5000. The starting dilution of antibody was 5ug/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using HRP Conjugate Stabilizer, Goat Anti-Rabbit IgG HRP conjugated and TMB substrate.

**Publications**

Kadam PD, Chuan HH. Erratum to: Rectocutaneous fistula with transmigration of the suture: a rare delayed complication of vault fixation with the sacrospinous ligament. Int Urogynecol J. 2016-03-01 [PMID: 26811110]

**Details:**

This citation used the HRP version of this antibody.



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### **Products Related to NBP1-77790**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
P5238	Lysozyme Native Protein

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### **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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