

# Product Datasheet

## Luciferase Antibody [Biotin]

### NB120-634-1.0mg

Unit Size: 1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB120-634-1.0mg**

Luciferase Antibody [Biotin]

Product Information	
Unit Size	1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Conjugate	Biotin
Purity	Multi-step
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Product Description	
Description	<p>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</p> <p>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-Biotin, anti-Goat Serum as well as purified and partially purified Luciferase [<i>Photinus pyralis</i> (Firefly)]. No reactivity is observed against Sea pansy (<i>Renilla reniformis</i>) luciferase.</p>
Host	Goat
Species	Firefly
Reactivity Notes	No reactivity is observed against Sea pansy ( <i>Renilla reniformis</i> ) luciferase.
Specificity/Sensitivity	No reactivity is observed against Sea pansy ( <i>Renilla reniformis</i> ) luciferase.
Immunogen	Luciferase [ <i>Photinus pyralis</i> (Firefly)]

Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:8000-1:31000, ELISA 1:80000-1:310000
Application Notes	This product is produced from <i>Photinus pyralis</i> (Firefly) which produces a green light with a wavelength of 562 nm. Anti-Luciferase Antibody has been tested by ELISA and western blot. Expect a band at approximately 60.7 kDa in size corresponding to Luciferase by western blotting in the appropriate cell lysate or extract. Anti-Luciferase has been assayed against 1.0 ug of Luciferase in a standard capture ELISA using Peroxidase Conjugated Streptavidin and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:80,000 to 1:310,000 of the reconstitution concentration is suggested for this product.



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### **Products Related to NB120-634-1.0mg**

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NBP2-29370	Streptavidin Native Protein
BAF108	Goat IgG Isotype Control [Biotin]
NBP2-59648-20ug	Recombinant Renilla reniformis Luciferase His (N-Term) Protein
NBP1-48355-0.1mg	Recombinant Firefly Luciferase His 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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