

Product Datasheet

Luciferase Antibody [HRP] NB100-1676-0.1mg

Unit Size: 0.1 mg

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

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NB100-1676-0.1mg

Luciferase Antibody [HRP]

| Product Information | |
|-----------------------------|---|
| Unit Size | 0.1 mg |
| Concentration | LYOPH mg/ml |
| Storage | Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.01% Gentamicin Sulfate |
| Reconstitution Instructions | Reconstitute with 100 ul deionized water (or equivalent) |
| Isotype | IgG |
| Conjugate | HRP |
| Purity | Multi-step |
| Buffer | Lyophilized from 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>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> <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-Peroxidase, anti-Goat Serum as well as purified and partially purified Luciferase [Photinus pyralis (Firefly)]</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 [Photinus pyralis (Firefly)] |

| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, ELISA |
| Recommended Dilutions | Western Blot 1:500-1:2000, ELISA 1:2000-1:30000 |
| Application Notes | <p>This product is produced from <i>Photinus pyralis</i> (Firefly) which produces a green light with a wavelength of 562 nm. Anti-Luciferase Peroxidase 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 [Photinus pyralis (Firefly)] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:50,000 to 1:200,000 of the reconstitution concentration is suggested for this product.</p> <p>NOTE: Do NOT add Sodium Azide (it inhibits HRP irreversibly).</p> |



Publications

Yang G, Abate A, George AG, et al. Maturation differences in lung NF-kappaB activation and their role in tolerance to hyperoxia J Clin Invest 2004-09-03 [PMID: 15343385]





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-1676-0.1mg

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|------------------|--|
| NBP1-96886 | Goat IgG Isotype Control [HRP] |
| NBP1-48355-0.1mg | Recombinant Firefly Luciferase His Protein |
| NBP2-59648-20ug | Recombinant Renilla reniformis Luciferase His (N-Term) Protein |

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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