

Product Datasheet

Chorionic Gonadotropin alpha Chain (hCG alpha) Antibody - BSA Free NBP3-18630-100ug

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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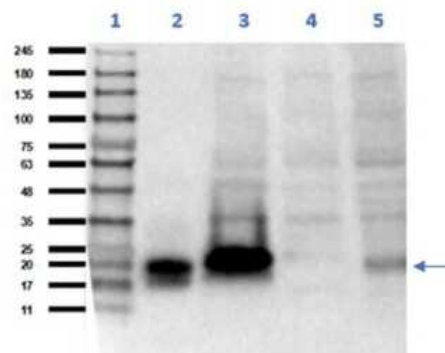


NBP3-18630-100ug**Chorionic Gonadotropin alpha Chain (hCG alpha) Antibody - BSA Free**

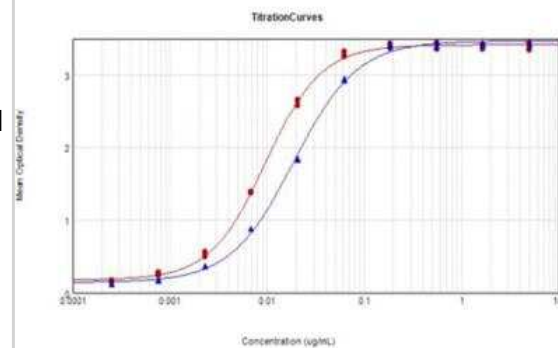
Product Information	
Unit Size	100 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<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 4 degrees C as an undiluted liquid. Dilute only prior to immediate use.</p> <p>This product was affinity purified from monospecific antiserum by immunoaffinity purification.</p>
Host	Goat
Gene ID	1081
Gene Symbol	CGA
Species	Human
Specificity/Sensitivity	This product reacts with Full Human Chorionic Gonadotropin (hCG) and Human Chorionic Gonadotropin Alpha chain (alpha-hCG).
Immunogen	Prepared from whole goat serum produced by repeated immunizations with Human Chorionic Gonadotropin alpha Chain (hCG alpha) native protein.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Dot Blot, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500-1:1000, Dot Blot
Application Notes	This product has been tested in ELISA and WB. Expect a band at ~14.9kDa for the alpha chain in western blot using appropriate tissues and lysates. ELISA reactivity expected against alpha hCG with an expected titer of ~1:100,000 and full hCG at ~1:50,000 dilution.

Images

Western Blot: Chorionic Gonadotropin alpha Chain (hCG alpha) Antibody [NBP3-18630] - Lane 1: Opal Prestained Molecular Weight Marker. Lane 2: hCG alpha (0.05ug) [+]. Lane 3: hCG alpha/U-20S WCL (0.05ug/20ug) [+]. Lane 4: U-20S WCL (20ug) [-]. Lane 5: HeLa WCL (35ug) [+]. Primary Antibody: Anti-alpha-hCG at 1:1000 overnight at 2-8C. Secondary Antibody: Donkey Anti-Goat IgG mx8 HRP Conjugated at 1:40,000 for 30 mins at RT. Block: BlockOut Buffer. Exposure: 30 sec. Predicted MW: alpha subunit ~14.9kDa, full hCG ~37kDa, luteinizing hormone (LH) ~29kDa, thyroid stimulating hormone (TSH) ~28kDa, follicle stimulating hormone (FSH) ~30kDa. Observed MW: alpha subunit ~15-20kDa, full hCG ~35kDa.



ELISA: Chorionic Gonadotropin alpha Chain (hCG alpha) Antibody [NBP3-18630] - Each well was coated in duplicate at 10ug/mL of hCG alpha (RED) and full hCG (BLUE) protein. 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 3% Fish Gel/PBS Blocking Buffer, Donkey Anti-Goat IgG MX8 HRP Conjugated Secondary, and TMB ELISA Peroxidase substrate.





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 NBP3-18630-100ug

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
H00001081-Q01-10ug	Recombinant Human Chorionic Gonadotropin alpha Chain (hCG alpha) GST (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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