

Product Datasheet

Fetal Hemoglobin Antibody - BSA Free NB110-41084

Unit Size: 1 ml

Store at 4C. Do not freeze.

www.novusbio.com



technical@novusbio.com

Publications: 9

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB110-41084

Updated 9/9/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB110-41084



NB110-41084

Fetal Hemoglobin Antibody - BSA Free

Product Information

Unit Size	1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description

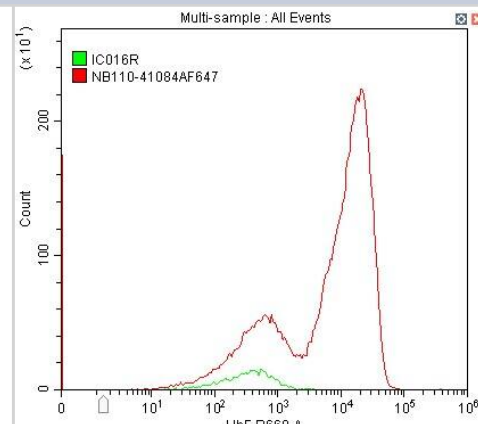
Description	Novus Biologicals Sheep Fetal Hemoglobin Antibody - BSA Free (NB110-41084) is a polyclonal antibody validated for use in WB, ELISA and Flow. Anti-Fetal Hemoglobin Antibody: Cited in 9 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Sheep
Gene ID	3047
Gene Symbol	HBG1
Species	Human
Specificity/Sensitivity	By immunoelectrophoresis and ELISA this antibody reacts specifically with human hemoglobin F. No antibody was detected against hemoglobin A1, A2, S or human serum proteins.
Immunogen	Purified human hemoglobin F of fetal cord blood cell origin.

Product Application Details

Applications	Western Blot, ELISA, Flow Cytometry
Recommended Dilutions	Western Blot 1:1000-1:30000, Flow Cytometry Validated for flow from a verified customer review., ELISA 1:1000 - 1:30000
Application Notes	ELISA for coating plates 1:100 - 1:500.

Images

Flow Cytometry: Sheep Polyclonal Fetal Hemoglobin Antibody [NB110-41084] - HbF cells in mouse. These mice are under stressed erythropoiesis. This antibody used to detect fetal hemoglobin in RBC. RBC was fixed by paraformaldehyde followed by permeabilization with 0.01% triton. These cells were incubated with antibody at 1:500 dilution for 30-60 min at room temperature. Image from a verified customer review. The customer used the Alexa Fluor® 647-conjugated version of NB110-41084, which is listed under NB110-41084AF647.



Publications

Scott A Peslak, Selami Demirci, Vemika Chandra, Byoung Ryu, Saurabh K Bhardwaj, Jing Jiang, Jeremy W Rupon, Robert E Throm, Naoya Uchida, Alexis Leonard, Khaled Essawi, Aylin C Bonifacino, Allen E Krouse, Nathaniel S Linde, Robert E Donahue, Francesca Ferrara, Matthew Wielgosz, Osheiza Abdulmalik, Nicole Hamagami, Paula Germino-Watnick, Anh Le, Rebecca Chu, Malikiya Hinds, Mitchell J Weiss, Wei Tong, John F Tisdale, Gerd A Blobel Forced enhancer-promoter rewiring to alter gene expression in animal models. *Molecular therapy. Nucleic acids* 2023 -03-14 [PMID: 36852088]

Li C, Shin H, Bhavanasi D et al. Expansion of human hematopoietic stem cells by inhibiting translation *bioRxiv* 2023-11-30 [PMID: 38077058]

Huang P, Peslak SA, Ren R et al. HIC2 controls developmental hemoglobin switching by repressing BCL11A transcription *Nature genetics* 2022-09-01 [PMID: 35941187] (FLOW, Human, Mouse)

Qin K, Huang P, Feng R et al. Dual function NFI factors control fetal hemoglobin silencing in adult erythroid cells *Nature genetics* 2022-05-26 [PMID: 35618846] (FLOW, Human)

Khandros E, Huang P, Peslak SA, Sharma M Understanding Heterogeneity of Fetal Hemoglobin Induction through Comparative Analysis of F-and A-erythroblasts *Blood* 2020-01-01 [PMID: 32268371]

Huang P, Peslak SA, Lan X et al. HRI-regulated transcription factor ATF4 activates BCL11A transcription to silence fetal hemoglobin expression *Blood* 2020-04-16 [PMID: 32299090]

Makino T, Haruyama M, Katayama K et al. Phenotypic-screening generates active novel fetal globin-inducers that downregulate Bcl11a in a monkey model *Biochem. Pharmacol.* 2019-11-18 [PMID: 31751536] (ELISA, Human)

Zhang X, Luo YM, Ma YN et al. In vitro maturation of erythroid progenitors from human umbilical cord blood and patterns of globin gene expression: serum from different developmental stage plays important roles in liquid culture. *Biochem Biophys Res Commun* 2005-10-01 [PMID: 16125140]

Umeda K, Heike T, Yoshimoto M et al. Development of primitive and definitive hematopoiesis from nonhuman primate embryonic stem cells in vitro. *Development* 2004-04-01 [PMID: 15084470]





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 NB110-41084

NBL1-11461	HBG1/2 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF016	Donkey anti-Sheep IgG Secondary Antibody [HRP]
NL010	Donkey anti-Sheep IgG Secondary Antibody [NL557]
NBP1-97055-10mg	Sheep 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB110-41084

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

