

Product Datasheet

HIF-1 alpha Antibody (H1alpha67) [Alexa Fluor® 488] NB100-105AF488

Unit Size: 0.1 ml

Store at 4C in the dark.

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NB100-105AF488

HIF-1 alpha Antibody (H1alpha67) [Alexa Fluor® 488]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	H1alpha67
Preservative	0.05% Sodium Azide
Isotype	IgG2b
Conjugate	Alexa Fluor 488
Purity	Protein G purified
Buffer	50mM Sodium Borate
Target Molecular Weight	93 kDa

Product Description	
Host	Mouse
Gene ID	3091
Gene Symbol	HIF1A
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, Feline, Ferret, Primate, Monkey, Rabbit, Sheep, Xenopus
Reactivity Notes	Use in Rat reported in scientific literature (PMID:33816617).
Immunogen	This HIF-1 alpha Antibody (H1alpha67) was developed against a fusion protein containing amino acids 432 - 528 of human HIF-1 alpha [Uniprot# Q16665].
Notes	Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com . This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.

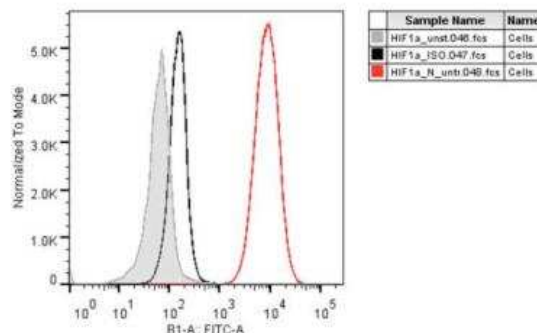
Product Application Details	
Applications	Western Blot, Simple Western, Chromatin Immunoprecipitation, ELISA, Flow Cytometry, Gel Super Shift Assays, Immunoassay, Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, In vitro assay, Immunoprecipitation, Ligand Activation, Proximity Ligation Assay, Tissue Culture Substratum, Chromatin Immunoprecipitation (ChIP), Immunohistochemistry Free-Floating, Knockdown Validated, Knockout Validated



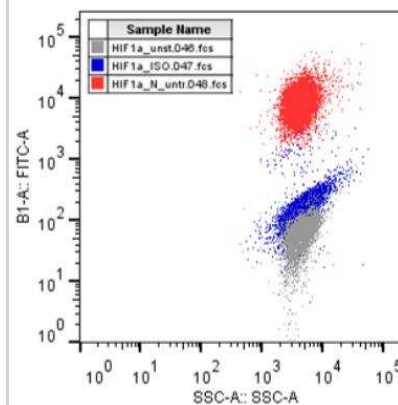
Recommended Dilutions	Western Blot, Simple Western, Chromatin Immunoprecipitation, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunoassay, Immunoblotting, In vitro assay, Gel Super Shift Assays, Proximity Ligation Assay, Tissue Culture Substratum, Ligand Activation, Immunohistochemistry Free-Floating, Chromatin Immunoprecipitation (ChIP), Knockout Validated, Knockdown Validated
Application Notes	Optimal dilution of this antibody should be experimentally determined.

Images

Analysis of HIF-1 alpha in H929 cells using HIF-1 alpha antibody NB100-105AF488. Image from verified customer review.



Analysis of HIF-1 alpha in multiple myeloma cells: H929 cells (0.5×10^6) were stained with Alexa Fluor 488 (R) conjugated HIF-1a antibody (NB100-105AF488). Image courtesy of Dr. Barbara Muz at Washington University in St. Louis School of Medicine.



Publications

de la Puente P, Muz B, Gilson RC et al 3D tissue-engineered bone marrow as a novel model to study pathophysiology and drug resistance in multiple myeloma. *Biomaterials*. 2015-12-01 [PMID: 26402156] (IHC-P, Human)

Details:

Citation using the Alexa Fluor 488 version of this antibody.



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Products Related to NB100-105AF488

IC0041G	Mouse IgG2b Isotype Control (133303) [Alexa Fluor® 488]
NB100-105AF647	HIF-1 alpha Antibody (H1alpha67) [Alexa Fluor® 647]
H00003091-P01-10ug	Recombinant Human HIF-1 alpha GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]

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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