

Product Datasheet

AHR Antibody [Alexa Fluor® 700] NB100-2289AF700

Unit Size: 0.1 ml

Store at 4C in the dark.

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NB100-2289AF700

AHR Antibody [Alexa Fluor® 700]

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	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Conjugate	Alexa Fluor 700
Purity	Immunogen affinity purified
Buffer	50mM Sodium Borate

Product Description	
Host	Rabbit
Gene ID	196
Gene Symbol	AHR
Species	Human, Mouse, Rat, Guinea Pig
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 23887904). Porcine reactivity reported from a verified customer review.
Immunogen	Bacterially expressed human Aryl hydrocarbon Receptor (C-terminus). [UniProt# P35869]
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, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot, Simple Western, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Knockdown Validated
Application Notes	Optimal dilution of this antibody should be experimentally determined.

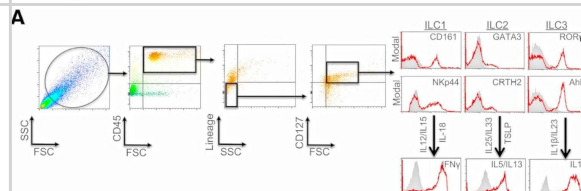


Images

AHR Antibody [Alexa Fluor® 700] [NB100-2289AF700] - Vial of Alexa Fluor 700 conjugated antibody. Alexa Fluor 700 is optimally excited at 696 nm by the Red laser (633 or 640 nm) and has an emission maximum of 720 nm.



Flow Cytometry: AHR Antibody [Alexa Fluor® 700] [NB100-2289AF700] - Presence & frequency of ILC subtypes within the meninges of severe TBI patients. (A) Dura was collected from consecutive, severe TBI patients undergoing decompressive craniectomy to alleviate elevated intracranial pressure. ILCs were sorted using forward scatter (FSC)/side scatter (SSC) & identified as CD45+, lineage-negative (Lin-), CD127+ lymphoid cells. ILCs subtypes were further defined as ILC1+, CD45+Lin-CD127+CD161+NKp44+; ILC2, CD45+Lin-CD127+GATA3+CRTH2+; & ILC3, CD45+Lin-CD127+RORγt+AhR+, as shown in representative flow cytometry scatterplots. Gray shaded areas indicate isotype controls. To demonstrate functionality, ILCs were further stimulated with cytokine cocktails, & production of signature cytokines was assessed (ILC1, IFN-γ; ILC2, IL-5/IL-13; ILC3, IL-17). (B & C) Frequency of ILC subtypes from individual patients, expressed as total cell number (B) & % leukocytes (C) (n = 5). Scatterplots depict mean ± SD. (D) Computed tomography scan of a TBI patient before (Pre-) & after (Post-) decompressive craniectomy surgery. The dura was collected during surgery at the time of bone flap removal. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/33427206>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

B Baban, M Braun, H Khodadadi, A Ward, K Alverson, A Malik, K Nguyen, S Nazarian, DC Hess, S Forseen, AF Post, FL Vale, JR Vender, MN Hoda, O Akbari, K Vaibhav, KM Dhandapani AMPK induces regulatory innate lymphoid cells after traumatic brain injury JCI Insight, 2021-01-11;6(1):. 2021-01-11 [PMID: 33427206]



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Products Related to NB100-2289AF700

NBP2-24891AF700	Rabbit IgG Isotype Control [Alexa Fluor® 700]
H00000196-Q01-10ug	Recombinant Human AHR GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]
NBP2-66669	Human AHR ELISA Kit (Chemiluminescence)

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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