

# Product Datasheet

## xCT Antibody [Alexa Fluor® 594]

### NB300-318AF594

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NB300-318AF594**

xCT Antibody [Alexa Fluor® 594]

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 594
Purity	Immunogen affinity purified
Buffer	50mM Sodium Borate
Target Molecular Weight	55 kDa

Product Description	
Host	Rabbit
Gene ID	23657
Gene Symbol	SLC7A11
Species	Human, Mouse, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 21540084).
Immunogen	This xCT Antibody was prepared from a synthetic peptide made to an N-terminal region of the human xCT protein (between residues 1-50) [UniProt Q9UPY5].
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, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Dual RNAscope ISH-IHC, Immunoprecipitation (Negative)
Recommended Dilutions	Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunoprecipitation (Negative), Dual RNAscope ISH-IHC
Application Notes	Optimal dilution of this antibody should be experimentally determined.



## Publications

Marco Gelpi, Flora Mikaeloff, Andreas D. Knudsen, Rui Benfeitas, Shuba Krishnan, Sara Svensson Akusjärvi, Julie Høgh, Daniel D. Murray, Henrik Ullum, Ujjwal Neogi, Susanne D. Nielsen The central role of the glutamate metabolism in long-term antiretroviral treated HIV-infected individuals with metabolic syndrome Aging (Albany NY) 2021-10-15 [PMID: 34635603]

AkusjArvi SS, Ambikan AT, Krishnan S Et al. Integrative proteo-transcriptomic and immunophenotyping signatures of HIV-1 elite control phenotype: A cross-talk between glycolysis and HIF signaling iScience 2022-01-10 [PMID: 35005552] (FLOW, Human)

Details:

Citation using the Alexa Fluor 594 version of this antibody.





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### **Products Related to NB300-318AF594**

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IC1051T	Rabbit IgG Isotype Control (60024B) [Alexa Fluor® 594]
NB300-317PEP	xCT Antibody Blocking Peptide
NB300-318PEP	xCT Antibody Blocking Peptide
NBP1-32822	Nrf2 Antibody

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### **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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