

Product Datasheet

FoxP3 Antibody (FXP3/197) [Alexa Fluor® 647] NBP2-34620AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-34620AF647

FoxP3 Antibody (FXP3/197) [Alexa Fluor® 647]

| 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 | FXP3/197 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG1 Kappa |
| Conjugate | Alexa Fluor 647 |
| Purity | Protein A or G purified |
| Buffer | 50mM Sodium Borate |
| Product Description | |
| Host | Mouse |
| Gene ID | 50943 |
| Gene Symbol | FOXP3 |
| Species | Human, Mouse, Monkey |
| Specificity/Sensitivity | Recognizes a protein of 47-55kDa, which is identified as FOXP3. Its precise epitope is not known, but it has been mapped to the N-terminal portion of the protein. The FOX family of transcription factors is a large group of proteins that share a common DNA binding domain termed a winged-helix or forkhead domain. During early development, FOXP1 and FOXP2 are expressed abundantly in the lung, with lower levels of expression in neural, intestinal and cardiovascular tissues, where they act as transcription repressors. FOXP1 is widely expressed in adult tissues, while neoplastic cells often exhibit a dramatic change in expression level or localization of FOXP1. Mutations in FOXP3 gene cause IPEX, a fatal, X-linked inherited disorder characterized by immune dysregulation. The FOXP3 protein is essential for normal immune homeostasis. Specifically, FOXP3 represses transcription through a DNA binding forkhead domain, thereby regulating T cell activation. |
| Immunogen | Recombinant human full-length FoxP3 protein (Uniprot: Q9ZS1) |



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| 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. |
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| Product Application Details | |
|------------------------------------|--|
| Applications | Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready |
| Recommended Dilutions | Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready |

Images

FoxP3 Antibody (FXP3/197) [Alexa Fluor® 647] [NBP2-34620AF647] - Vial of Alexa Fluor 647 conjugated antibody. Alexa Fluor 647 is optimally excited at 653 nm by the Red laser (633 or 640 nm) and has an emission maximum of 669 nm.



Alexa Fluor® 647

| LASER (nm) | FILTER |
|---------------------|-------------------|
| Red (633,640) | 660/10 |
| EXCITATION MAX (nm) | EMISSION MAX (nm) |
| 653 | 669 |



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Products Related to NBP2-34620AF647

| | |
|--------------|---|
| IC002R | Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 647] |
| NB600-246PEP | FoxP3 Antibody Blocking Peptide |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| NBP2-29545 | FoxP3 |

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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