

# Product Datasheet

## Glut4 Antibody [Alexa Fluor® 647] NBP1-49533AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP1-49533AF647**

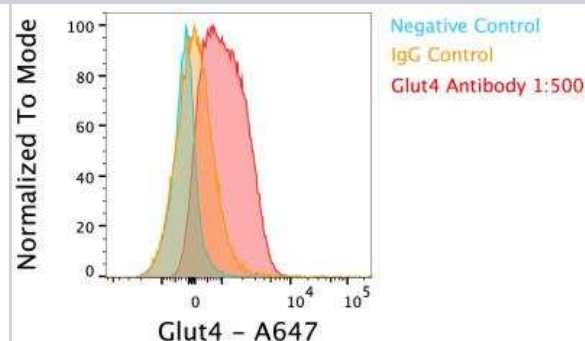
Glut4 Antibody [Alexa Fluor® 647]

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	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Conjugate	Alexa Fluor 647
Purity	Immunogen affinity purified
Buffer	50mM Sodium Borate
Product Description	
Host	Rabbit
Gene ID	6517
Gene Symbol	SLC2A4
Species	Human, Mouse, Rat, Plant
Reactivity Notes	Plant reactivity reported in scientific literature (PMID: 31555030).
Immunogen	A synthetic peptide from the human Glucose Transporter GLUT4 protein [UniProt P14672]
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 <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.com</a> . 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, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Flow (Intracellular), Knockdown Validated
Application Notes	Optimal dilution of this antibody should be experimentally determined.

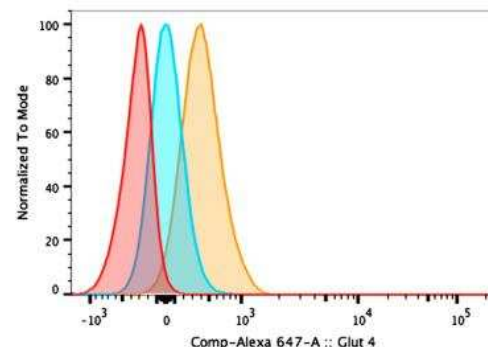


## Images

Flow Cytometry: Glut4 Antibody [Alexa Fluor® 647] [NBP1-49533AF647]  
- Analysis of Glut4 antibody on mouse Thymic Epithelial cells. Glut4 antibody in comparison to negative and IgG Control. Primary antibody dilution: 1:500. Image from verified customer review.



Flow Cytometry: Glut4 Antibody [Alexa Fluor (R) 647] [NBP1-49533AF647] - FLOW analysis of Glut 4 expression on Murine CD4+ T cells stimulated with anti-CD3/CD28 beads and insulin (1ug/mL) for 5 days in culture media with additional glucose provided. This Alexa Fluor (R) 647 conjugated Glut 4 antibody (orange) positively stained mouse's CD4+ T cells compared to Isotype Control (Rb IgG AF647, Novus NBP2-36463AF647, blue) and fluorescence minus one/FMO control (red)  
[Image submitted by Verified Customer - see Product Review for Protocol Details].



## Publications

Abusarah J, Khodayarian F, El-Hachem N Et al. Engineering immunoproteasome-expressing mesenchymal stromal cells: A potent cellular vaccine for lymphoma and melanoma in mice Cell Rep Med 2022-01-14 [PMID: 35028603] (FLOW)

Details:

Citation using the Alexa Fluor 647 version of this antibody.

Prado-Garcia H, Campa-Higareda A, Romero-Garcia S Lactic Acidosis in the Presence of Glucose Diminishes Warburg Effect in Lung Adenocarcinoma Cells Front Oncol 2020-06-12 [PMID: 32596143] (FLOW, Human)

Details:

Citation using the Alexa Fluor 647 format of this antibody.



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### **Products Related to NBP1-49533AF647**

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NBP2-24891AF647	Rabbit IgG Isotype Control [Alexa Fluor® 647]
NBP1-49533AF700	Glut4 Antibody [Alexa Fluor® 700]
NBP1-49533PEP	Glut4 Antibody Blocking Peptide
210-TA-005	TNF-alpha [Unconjugated]

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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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