

# Product Datasheet

## Calreticulin Antibody (1G6A7) [Alexa Fluor® 405] NBP1-47518AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP1-47518AF405**

Calreticulin Antibody (1G6A7) [Alexa Fluor® 405]

| 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               | 1G6A7   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG2a   |
| Conjugate           | Alexa Fluor 405   |
| Purity              | Ammonium sulfate precipitation  |
| Buffer              | 50 mM Sodium Borate   |

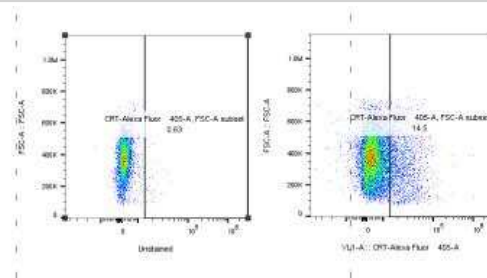
| Product Description |  |
|---------------------|--|
| Host                | Mouse  |
| Gene ID             | 811  |
| Gene Symbol         | CALR   |
| Species             | Human, Mouse   |
| Marker              | Endoplasmic Reticulum Marker   |
| Immunogen           | Calreticulin Antibody (1G6A7) was developed against a synthetic peptide corresponding to the C-terminus (EEEDVPGQAKDELG) of human Calreticulin, conjugated to KLH. [UniProt# P27797]   |
| 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, ELISA, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, In vitro assay |
| Recommended Dilutions       | Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, In vitro assay, Flow (Intracellular) |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.  |



## Images

Flow Cytometry: Calreticulin Antibody (1G6A7) [Alexa Fluor® 405] [NBP1-47518AF405] - HCT-116 human colorectal carcinoma cell line. HCT116 cells were treated with 100 uM of Oxaliplatin for 24 hrs and surface expression of Calreticulin was measured. Left panel: unstained. Right panel: stained with anti-CRT-AF405. Flow cytometry image submitted by a verified customer review.



## Publications

Kim SS, Doherty C, Moghe M Et al. Nanomedicine-Based Gene Delivery for a Truncated Tumor Suppressor RB94 Promotes Lung Cancer Immunity Cancers (Basel) 2022-10-27 [PMID: 36291878] (FLOW, Human)

Details:

Citation using the Alexa Fluor 405 version of this antibody.



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### **Products Related to NBP1-47518AF405**

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|            |  |
|------------|--|
| IC003V     | Mouse IgG2a Isotype Control (20102) [Alexa Fluor® 405] |
| NBP1-44499 | Recombinant Human Calreticulin His Protein             |
| 210-TA-005 | TNF-alpha [Unconjugated]                               |
| NBP3-06819 | Human Calreticulin ELISA Kit (Colorimetric)            |

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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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