

Product Datasheet

Calreticulin Antibody (1G6A7) [Allophycocyanin] NBP1-47518APC

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 6/8/2025 v.20.1

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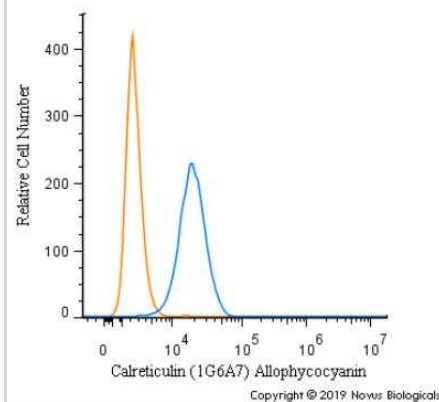
NBP1-47518APC

Calreticulin Antibody (1G6A7) [Allophycocyanin]

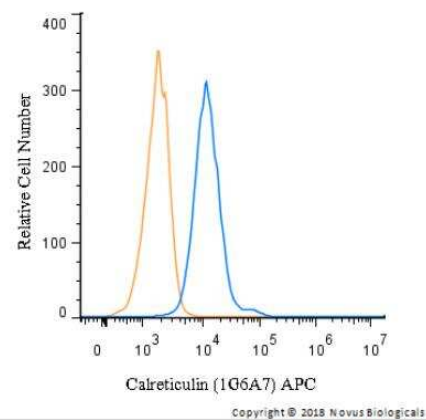
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	1G6A7
Preservative	0.05% Sodium Azide
Isotype	IgG2a
Conjugate	Allophycocyanin
Purity	Protein A or G purified
Buffer	PBS
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]
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, 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

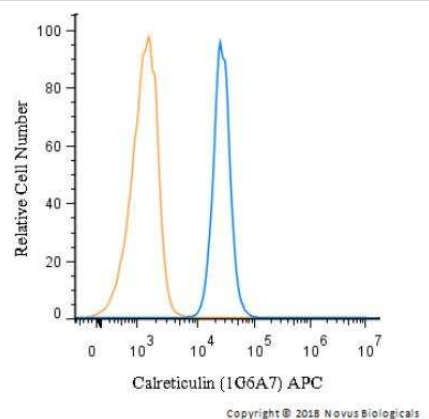
Flow Cytometry: Calreticulin Antibody (1G6A7) [Allophycocyanin] [NBP1-47518APC] - An intracellular stain was performed on NIH3T3 cells with Calreticulin (1G6A7) Antibody NBP1-47518APC (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Allophycocyanin.



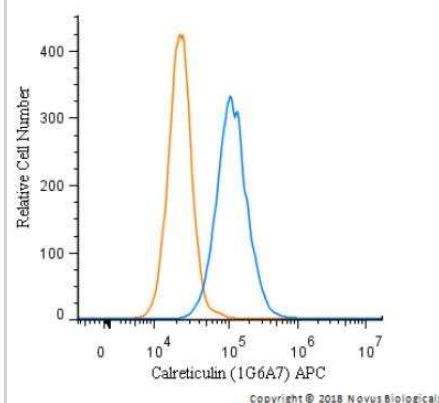
Flow Cytometry: Calreticulin Antibody (1G6A7) [Allophycocyanin] [NBP1-47518APC] - An intracellular stain was performed on U-937 cells with Calreticulin Antibody (1G6A7) NBP1-47518APC (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Allophycocyanin.



Flow Cytometry: Calreticulin Antibody (1G6A7) [Allophycocyanin] [NBP1-47518APC] - An intracellular stain was performed on U-937 cells with Calreticulin Antibody (1G6A7) NBP1-47518F (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to APC.



Flow Cytometry: Calreticulin Antibody (1G6A7) [Allophycocyanin] [NBP1-47518APC] - An intracellular stain was performed on HeLa cells with Calreticulin Antibody [1G6A7] NBP1-47518APC (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Allophycocyanin.



Publications

Au KM, Swinnea JS, Wang AZ. et Al. Intratumoral Injectable Redox-Responsive Immune Niche Improves the Abscopal Effect in Radiotherapy Adv Mater 2024-11-06 [PMID: 39501983]

Wang H, Huang Q, Zhang Z Et al. Transient post-operative overexpression of CXCR2 on monocytes of traumatic brain injury patients drives monocyte chemotaxis toward cerebrospinal fluid and enhances monocyte-mediated immunogenic cell death of neurons in vitro J Neuroinflammation 2022-06-29 [PMID: 35768823] (FLOW, Human)

Details:

Citation using the Allophycocyanin version of this antibody.

Freund E, Liedtke KR, Miebach L et al. Identification of Two Kinase Inhibitors with Synergistic Toxicity with Low-Dose Hydrogen Peroxide in Colorectal Cancer Cells in vitro Cancers (Basel). [PMID: 31906582] (FLOW, Mouse)

Kim S, Harford J, Moghe M et al. Combination with SGT-53 overcomes tumor resistance to a checkpoint inhibitor Oncoimmunology 2018 Jun 12 [PMID: 30288347] (Flow, Mouse) Oncoimmunology. [PMID: 30288347] (FLOW, Mouse)





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Products Related to NBP1-47518APC

IC003A	Mouse IgG2a Isotype Control (20102) [Allophycocyanin]
NBP1-44499	Recombinant Human Calreticulin His Protein
210-TA-005	TNF-alpha [Unconjugated]
NBP3-06819	Human Calreticulin ELISA Kit (Colorimetric)

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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