

Product Datasheet

Calreticulin Antibody (1G6A7) [FITC] NBP1-47518F

Unit Size: 0.1 ml

Store at 4C in the dark.

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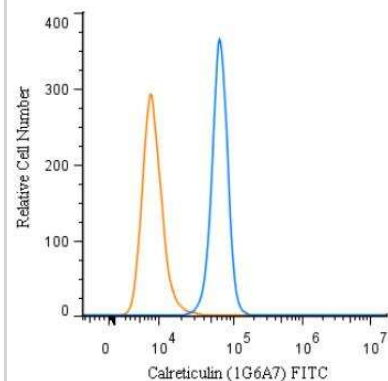
NBP1-47518F

Calreticulin Antibody (1G6A7) [FITC]

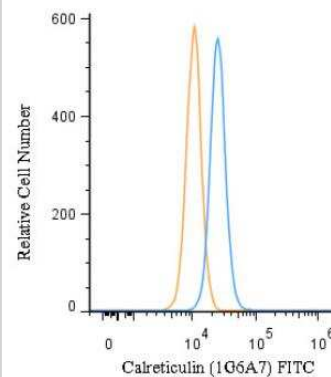
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	1G6A7
Preservative	0.05% Sodium Azide
Isotype	IgG2a
Conjugate	FITC
Purity	Protein A or G purified
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 (EEEDVPGQAKDELIC) of human Calreticulin, conjugated to KLH. [UniProt# P27797]
Notes	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, 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

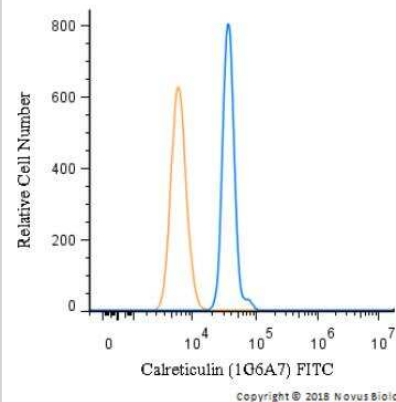
Flow Cytometry: Calreticulin Antibody (1G6A7) [FITC] [NBP1-47518F] - An intracellular stain was performed on NIH3T3 cells with Calreticulin Antibody (1G6A7) NBP1-47518F (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to FITC.



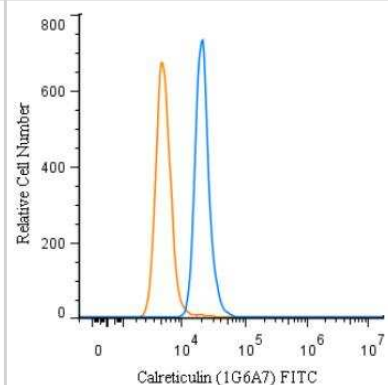
Flow (Intracellular): Calreticulin Antibody (1G6A7) [FITC] [NBP1-47518F] - An intracellular stain was performed on HeLa cells with Calreticulin Antibody (1G6A7) NBP1-47518F (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were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



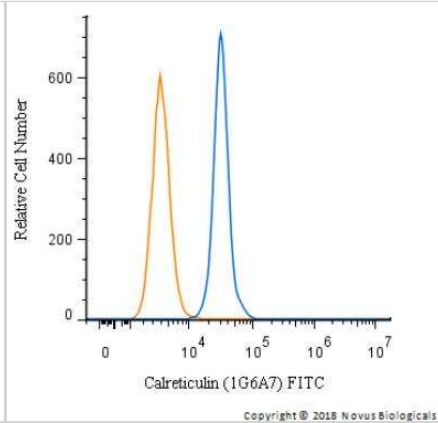
Flow Cytometry: Calreticulin Antibody (1G6A7) [FITC] [NBP1-47518F] - An intracellular stain was performed on U-937 cells with Calreticulin Antibody (1G6A7) NBP1-47518F (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated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



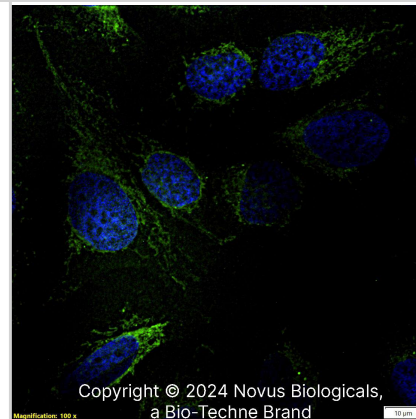
Flow Cytometry: Calreticulin Antibody (1G6A7) [FITC] [NBP1-47518F] - An intracellular stain was performed on A549 cells with Calreticulin Antibody (1G6A7) NBP1-47518F (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to FITC.



Flow Cytometry: Calreticulin Antibody (1G6A7) [FITC] [NBP1-47518F] - An intracellular stain was performed on Jurkat 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 $\mu\text{g}/\text{mL}$ for 30 minutes at room temperature. Both antibodies were conjugated to FITC.



Calreticulin (1G6A7) was detected in immersion fixed U-2 OS human osteosarcoma cell line using Mouse anti- Calreticulin (1G6A7) Protein G Purified Monoclonal Antibody conjugated to FITC (Catalog # NBP1-47518F) (green) at 5 $\mu\text{g}/\text{mL}$ overnight at 4C. Cells were counterstained with DAPI (dark blue). Cells were imaged using a 100X objective and digitally deconvolved.



Publications

Jihoon Kim, David M. Francis, Lauren F. Sestito, Paul A. Archer, Margaret P. Manspeaker, Meghan J. O'Melia, Susan N. Thomas Thermosensitive hydrogel releasing nitric oxide donor and anti-CTLA-4 micelles for anti-tumor immunotherapy Nature Communications 2022-03-18 [PMID: 35304456]



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Products Related to NBP1-47518F

NBP1-96848	Mouse IgG2a Isotype Control (M2A) [FITC]
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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