

Product Datasheet

CD63 Antibody (H5C6) [Alexa Fluor® 488] NBP2-42225AF488

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-42225AF488

CD63 Antibody (H5C6) [Alexa Fluor® 488]

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	H5C6
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Alexa Fluor 488
Purity	Protein G purified
Buffer	50mM Sodium Borate

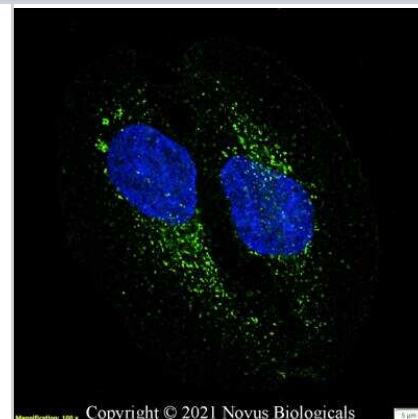
Product Description	
Host	Mouse
Gene ID	967
Gene Symbol	CD63
Species	Human, Canine
Marker	Exosome Marker
Immunogen	Human splenic adherent cells.
Notes	Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys 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.

Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Electron Microscopy, Flow Cytometry, Flow (Intracellular), Functional, Immunocytochemistry/ Immunofluorescence, In vitro assay, Immunoprecipitation, Block/Neutralize, Immunohistochemistry Whole-Mount
Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Functional, In vitro assay, Dot Blot, Electron Microscopy, Flow (Intracellular), Immunohistochemistry Whole-Mount, Block/Neutralize
Application Notes	Optimal dilution of this antibody should be experimentally determined.

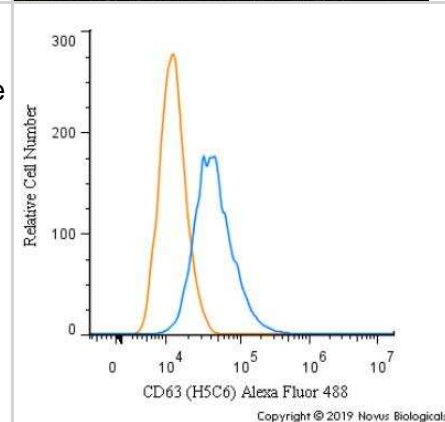


Images

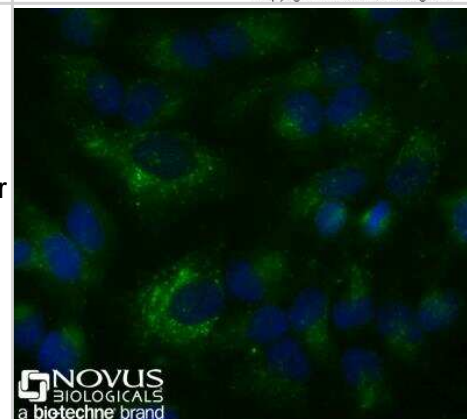
Immunocytochemistry/Immunofluorescence: CD63 Antibody (H5C6) [Alexa Fluor® 488] [NBP2-42225AF488] - U2OS cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-CD63 Antibody [H5C6] conjugated to Alexa Fluor 488 (NBP2-42225AF488) at 5 ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



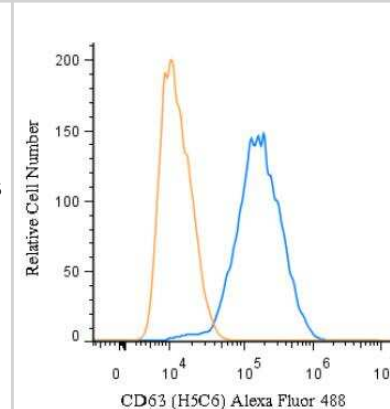
Flow Cytometry: CD63 Antibody (H5C6) [Alexa Fluor® 488] [NBP2-42225AF488] - An intracellular stain was performed on HeLa cells with CD63 [H5C6] Antibody NBP2-42225AF488 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 488.



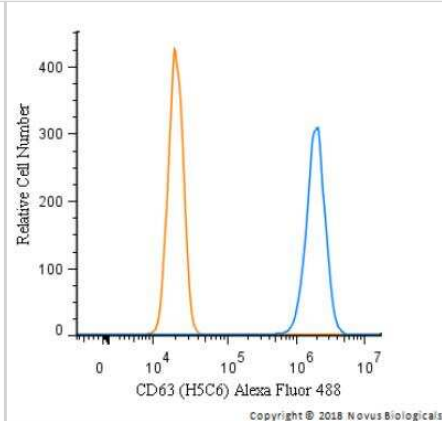
Immunocytochemistry/Immunofluorescence: CD63 Antibody (H5C6) [Alexa Fluor® 488] [NBP2-42225AF488] - CD63 Antibody (H5C6) [Alexa Fluor 488] [NBP2-42225AF488] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton X-100. The cells were incubated with anti-CD63 [H5C6] conjugated to Alexa Fluor 488 [NBP2-42225AF488] at 10ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



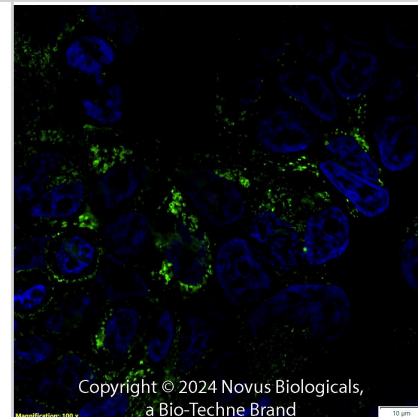
Flow (Intracellular): CD63 Antibody (H5C6) [Alexa Fluor 488] [NBP2-42225AF488] - An intracellular stain was performed on HepG2 cells with CD63 Antibody (H5C6) NBP2-42225AF488 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 488.



Flow Cytometry: CD63 Antibody (H5C6) [Alexa Fluor® 488] [NBP2-42225AF488] - An intracellular stain was performed on SK-MEL-28 cells with CD63 Antibody (H5C6) NBP2-42225AF488 (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 µg/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 488.



CD63 (H5C6) was detected in immersion fixed MCF7 human breast cancer cell line using Mouse anti-CD63 (H5C6) Protein G Purified Monoclonal Antibody conjugated to Alexa Fluor® 488 (Catalog # NBP2-42225AF488) (green) at 5 µg/mL overnight at 4C. Cells were counterstained with DAPI (blue). Cells were imaged using a 100X objective and digitally deconvolved.



Publications

Del Rivero T, Milberg J, Bennett C et al. Human amniotic fluid derived extracellular vesicles attenuate T cell immune response *Frontiers in immunology* 2022-11-28 [PMID: 36518766]

Bellio MA, Young KC, Milberg J et al. Amniotic fluid-derived extracellular vesicles: characterization and therapeutic efficacy in an experimental model of bronchopulmonary dysplasia *Cytherapy* 2021-09-17 [PMID: 34538718] (ICC/IF, Human)

Details:

Citation using the DyLight 550 format of this antibody.

Pederson PJ, Liang H, Filonov D, Mooberry SL. Eribulin and Paclitaxel Differentially Alter Extracellular Vesicles and Their Cargo from Triple-Negative Breast Cancer Cells *Cancers (Basel)* 2021-07-02 [PMID: 34205051]

Details:

This citation used the Alexa Fluor 488 format of this antibody.

Zhou J, Wu Z, Hu J et al High-throughput single-EV liquid biopsy: Rapid, simultaneous, and multiplexed detection of nucleic acids, proteins, and their combinations *Sci Adv* 2020-11-21 [PMID: 33219024] (ICC/IF, Human)

Details:

Citation using the Alexa Fluor 488 version of this antibody.



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Products Related to NBP2-42225AF488

IC002G	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 488]
NBP2-42225	CD63 Antibody (H5C6) - BSA Free
H00000967-G01-2ug	Recombinant Human CD63 Protein
203-IL-010	IL-3 [Unconjugated]

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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