Product Datasheet

CD34 Antibody (ICO-115) [Alexa Fluor® 647]
NBP2-33076AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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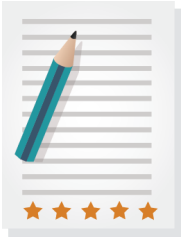
Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-33076AF647

Updated 10/23/2024 v.20.1



NBP2-33076AF647

CD34 Antibody (ICO-115) [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	Monoclonal
Clone	ICO-115
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Alexa Fluor 647
Purity	Protein G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Mouse
Gene ID	947
Gene Symbol	CD34
Species	Human, Rat
Marker	Hematopoietic Stem Cell & Endothelial Marker
Specificity/Sensitivity	This antibody recognizes a carbohydrate epitope on a single chain, transmembrane, heavily glycosylated protein of 90-120kDa, which is identified as CD34 (VI international workshop on human differentiation antigens). Its expression is a hallmark for identifying pluripotent hematopoietic stem or progenitor cells. Its expression is gradually lost as lineage committed progenitors differentiate. CD34 is a marker of choice for staining blasts in acute myeloid leukemia. In addition, it is expressed by soft tissue tumors, such as solitary fibrous tumor and gastrointestinal stromal tumor. CD34 expression is also found in vascular endothelium. Additionally, proliferating endothelial cells overexpress this molecule than the non-proliferating endothelial cells. Anti-CD34 labels 85% of angiosarcoma and Kaposis sarcoma, but shows low specificity.
Immunogen	Blast cells of a chronic myeloid leukemia patient

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	ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, CyTOF-ready
Recommended Dilutions	Flow Cytometry, ELISA, Immunocytochemistry/ Immunofluorescence, CyTOF-ready

Images

CD34 Antibody (ICO-115) [Alexa Fluor® 647] [NBP2-33076AF647] - Vial of Alexa Fluor 647 conjugated antibody. Alexa Fluor 647 is optimally excited at 653 nm by the Red laser (633 or 640 nm) and has an emission maximum of 669 nm.

Publications

Vallant N, Sandhu B, Hamaoui K, et al Immunomodulatory Properties of Mesenchymal Stromal Cells Can Vary in Genetically Modified Rats Int J Mol Sci 2021-01-28 [PMID: 33504032]

Details:
Citation using the Azide and BSA Free version of this antibody.

Natalie Vallant, Nienke Wolfhagen, Bynvant Sandhu, Karim Hamaoui, Vassilios Papalois, Sang-Bae Han, Arianna Scuteri Delivery of Mesenchymal Stem Cells during Hypothermic Machine Perfusion in a Translational Kidney Perfusion Study International Journal of Molecular Sciences 2024-05-05 [PMID: 38732257]

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Products Related to NBP2-33076AF647

IC002R	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 647]
NBP2-22751	Recombinant Human CD34 His Protein
210-TA-005	TNF-alpha [Unconjugated]
9655-CD-050	CD34 [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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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