

Product Datasheet

Endoglin/CD105 Antibody (MEM-226) [Alexa Fluor® 405] NB500-452AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

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NB500-452AF405

Endoglin/CD105 Antibody (MEM-226) [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	MEM-226
Preservative	0.05% Sodium Azide
Isotype	IgG2a
Conjugate	Alexa Fluor 405
Purity	Protein A purified
Buffer	50mM Sodium Borate
Product Description	
Host	Mouse
Gene ID	2022
Gene Symbol	ENG
Species	Human, Rat
Marker	Neo-endothelial Cells Marker
Specificity/Sensitivity	The antibody MEM-226 reacts with CD105 (Endoglin), a 90 kDa type I homodimerizing membrane glycoprotein expressed on vascular endothelial cells (small and large vessels), activated monocytes and tissue macrophages, stromal cells of certain tissues including bone marrow, pre-B lymphocytes in fetal marrow and erythroid precursors in fetal and adult bone marrow; it is also present on syncytiotrophoblast on placenta throughout pregnancy.
Immunogen	Recombinant full length protein (Human). Expressed in vaccinia virus containing CD105 cDNA.
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.

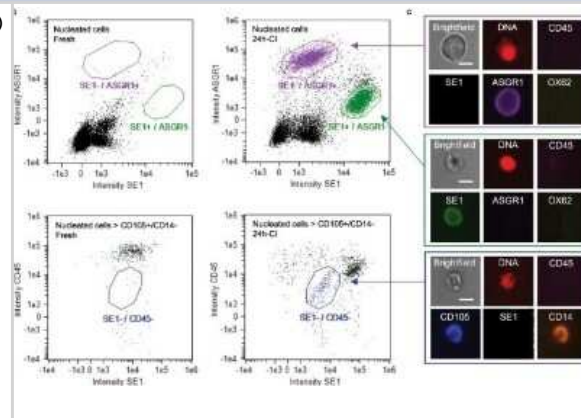


Product Application Details

Applications	Western Blot, Flow Cytometry, Flow (Cell Surface), Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot, Flow Cytometry, Immunoprecipitation, Flow (Cell Surface), CyTOF-ready

Images

Flow (Cell Surface): Endoglin/CD105 Antibody (MEM-226) [Alexa Fluor® 405] [NB500-452AF405] - Imaging flow cytometry for quantification of presumed hepatocytes (CD45-/SE1-/ASGR1+/OX62-), liver sinusoidal endothelial cells (LSECs) (CD45-/SE1+/ASGR1-/OX62-), and stellate cells (CD45-/CD105+/SE1-/CD14+). Left: fresh livers. Right: 24-h-CI livers. Image collected and cropped by CiteAb from the following publication ([//www.nature.com/articles/s41598-020-57589-4](https://www.nature.com/articles/s41598-020-57589-4)) licensed under a CC-BY license.



Publications

He Q, Ye Z, Zhou Y et al. Comparative study of mesenchymal stem cells from rat bone marrow and adipose tissue *Turl Biol* [PMID: 30983864] (FLOW, Rat)

Details:

Citation using the Alexa Fluor 405 format of this antibody.

de Vries RJ, Pendexter CA, Cronin SEJ et al. Cell release during perfusion reflects cold ischemic injury in rat livers *Sci Rep*. [PMID: 31980677] (FLOW, Rat)



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Products Related to NB500-452AF405

IC003V	Mouse IgG2a Isotype Control (20102) [Alexa Fluor® 405]
NB500-452AF647	Endoglin/CD105 Antibody (MEM-226) [Alexa Fluor® 647]
NBP2-49516PEP	Endoglin/CD105 Recombinant Protein Antigen
DVE00	VEGF [HRP]

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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