

Product Datasheet

CD40/TNFRSF5 Antibody (A54 scFv) [Alexa Fluor™ Plus 405]- Chimeric NBP2-81101AFP405

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-81101AFP405

CD40/TNFRSF5 Antibody (A54 scFv) [Alexa Fluor™ Plus 405]- Chimeric

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	A54 scFv
Preservative	0.05% Sodium Azide
Isotype	IgG Lambda
Conjugate	Alexa Fluor Plus 405
Purity	Protein A purified
Buffer	50mM Sodium Borate
Product Description	
Host	Rabbit
Gene ID	958
Gene Symbol	CD40
Species	Human
Specificity/Sensitivity	A54 binds specifically to the D1 domain of CD40/TNFRSF5 (and can only bind to the intact i.e. non-truncated version of CD40/TNFRSF5 and when an AD2 peptide tag has not been added) and can recognise CD40/TNFRSF5 on a B cell line (BJAB). This scFv binds to CD40/TNFRSF5 (immobilized by amine coupling) with a KD within the range of 40nM. CD40/TNFRSF5 is a glycoprotein of the TNFR superfamily and is expressed on all mature B cells, dendritic cells, activated monocytes, some endothelial cells and some epithelium including the thymus. CD40/TNFRSF5 binds to the membrane protein CD154 of the TNF superfamily and this interaction is required for the secondary immune responses and germinal centre formation.
Immunogen	A54 human anti-CD40/TNFRSF5 scFv was selected from the n-CoDeR phage display library after 4 rounds of selections using biotinylated CD40-Fcγ fusion protein as bait and subsequent capture of bound phages on streptavidin-coated magnetic beads.
Notes	This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not 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, 5781 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@thermofisher.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, Functional, Immunocytochemistry/ Immunofluorescence, Block/Neutralize
Recommended Dilutions	ELISA, Immunocytochemistry/ Immunofluorescence, Functional, Block/Neutralize
Application Notes	Optimal dilution of this antibody should be experimentally determined.



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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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