

# 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

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	A54 scFv
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG Lambda
<b>Conjugate</b>	Alexa Fluor Plus 405
<b>Purity</b>	Protein A purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	958
<b>Gene Symbol</b>	CD40
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	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.

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<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Functional, Immunocytochemistry/ Immunofluorescence, Block/Neutralize
<b>Recommended Dilutions</b>	ELISA, Immunocytochemistry/ Immunofluorescence, Functional, Block/Neutralize
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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### **Products Related to NBP2-81101AFP405**

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210-TA-005	TNF-alpha [Unconjugated]
DCCD40	CD40/TNFRSF5 [HRP]
M6000B-1	IL-6 [HRP]

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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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