

Product Datasheet

CD40/TNFRSF5 Antibody (A54 scFv) [Alexa Fluor® 647] NBP2-81101AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-81101AF647

CD40/TNFRSF5 Antibody (A54 scFv) [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 | A54 scFv |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG Lambda |
| Conjugate | Alexa Fluor 647 |
| 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

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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. |

Images

Product Image: CD40/TNFRSF5 Antibody (A54 scFv) [Alexa Fluor® 647] [NBP2-81101AF647] - 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.



Alexa Fluor® 647

| LASER (nm) | FILTER |
|---------------------|-------------------|
| Red (633,640) | 660/10 |
| EXCITATION MAX (nm) | EMISSION MAX (nm) |
| 653 | 669 |



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Products Related to NBP2-81101AF647

| | |
|-------------------|--|
| NBP2-52199-0.05mg | Recombinant Mouse CD40/TNFRSF5 His Protein |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| 1493-CDB-050 | CD40/TNFRSF5 [Unconjugated] |
| D6050 | IL-6 [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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