

# Product Datasheet

## 4-1BB Ligand/TNFSF9 Antibody (AT113-2) [FITC] NBP3-11987F

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-11987F****4-1BB Ligand/TNFSF9 Antibody (AT113-2) [FITC]**

| 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               | AT113-2   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1 Kappa  |
| Conjugate           | FITC  |
| Purity              | Protein A purified  |
| Buffer              | PBS   |

| Product Description     |   |
|-------------------------|---|
| Host                    | Rat   |
| Gene ID                 | 8744  |
| Gene Symbol             | TNFSF9  |
| Species                 | Mouse   |
| Specificity/Sensitivity | This antibody is specific for 4-1BB ligand (also known as CD137 ligand), which is a member of the TNF superfamily and is a type II membrane protein. 4-1BB ligand is a co-stimulatory molecule that is expressed on antigen presenting cells (DCs, monocytes/macrophages, B cells) and is upregulated upon activation of these cells. Both of the 4-1BB ligand and its receptor, TNFRSF9/4-1BB, are involved in the antigen presentation process and in the generation of cytotoxic T cells. In direct ELISAs, no cross-reactivity with recombinant human RELT is observed. |
| Immunogen               | This antibody was raised by immunising LOU rats with soluble recombinant 4-1BB Ligand/TNFSF9:Fc fusion protein.   |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Flow Cytometry, Block/Neutralize                         |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Block/Neutralize                         |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. |

**Images**

4-1BB Ligand/TNFSF9 Antibody (AT113-2) [FITC] [NBP3-11987F] - Vial of FITC conjugated antibody. FITC is optimally excited at 498 nm by the Blue laser (488 nm) and has an emission maximum of 519 nm.



FITC

| LASER (nm)          | FILTER            |
|---------------------|-------------------|
| Blue (488)          | 525/50            |
| EXCITATION MAX (nm) | EMISSION MAX (nm) |
| 498                 | 519               |



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### Products Related to NBP3-11987F

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|                  |   |
|------------------|---|
| NBP1-43960-0.1mg | Rat IgG1 Kappa Light Chain Isotype Control (RG1) [FITC] |
| NBP2-26580       | Recombinant Mouse 4-1BB Ligand/TNFSF9 Protein           |
| 210-TA-005       | TNF-alpha [Unconjugated]                                |
| 1246-4L-025/CF   | 4-1BB Ligand/TNFSF9 [Unconjugated]                      |

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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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