

# Product Datasheet

## 4-1BB Ligand/TNFSF9 Antibody (AT113-2) - Azide and BSA Free NBP3-11987-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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**NBP3-11987-0.2mg**

4-1BB Ligand/TNFSF9 Antibody (AT113-2) - Azide and BSA Free

| Product Information |  |
|---------------------|--|
| Unit Size           | 0.2 mg   |
| Concentration       | 1 mg/ml  |
| Storage             | Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C. |
| Clonality           | Monoclonal   |
| Clone               | AT113-2  |
| Preservative        | 0.02% Proclin 300  |
| Isotype             | IgG1 Kappa   |
| 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 |





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### **Products Related to NBP3-11987-0.2mg**

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|                  |   |
|------------------|---|
| HAF005           | Goat anti-Rat IgG Secondary Antibody [HRP]                |
| NBP1-75398       | Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed) |
| NBP1-43322-0.5mg | Rat IgG1 Kappa Light Chain Isotype Control (RG1)          |
| NBP2-26580       | Recombinant Mouse 4-1BB Ligand/TNFSF9 Protein             |

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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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