

# Product Datasheet

## 4-1BB Ligand/TNFSF9 Antibody (AT113-2) [Alexa Fluor® 700]

### NBP3-11987AF700

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-11987AF700**

4-1BB Ligand/TNFSF9 Antibody (AT113-2) [Alexa Fluor® 700]

<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>	AT113-2
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	Alexa Fluor 700
<b>Purity</b>	Protein A purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Rat
<b>Gene ID</b>	8744
<b>Gene Symbol</b>	TNFSF9
<b>Species</b>	Mouse
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	This antibody was raised by immunising LOU rats with soluble recombinant 4-1BB Ligand/TNFSF9:Fc fusion protein.
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**Product Application Details**

<b>Applications</b>	Western Blot, Flow Cytometry, Block/Neutralize
<b>Recommended Dilutions</b>	Western Blot, Flow Cytometry, Block/Neutralize
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.

**Images**

4-1BB Ligand/TNFSF9 Antibody (AT113-2) [Alexa Fluor® 700] [NBP3-11987AF700] - Vial of Alexa Fluor 700 conjugated antibody. Alexa Fluor 700 is optimally excited at 696 nm by the Red laser (633 or 640 nm) and has an emission maximum of 720 nm.



AlexaFluor® 700

LASER (nm)	FILTER
Red (633,640)	730/45

EXCITATION MAX (nm)	EMISSION MAX (nm)
696	720



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### Products Related to NBP3-11987AF700

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NBP1-51817AF700	Rat IgG1 Kappa Light Chain Isotype Control (KLH/G1-2-2) [Alexa Fluor® 700]
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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