

# Product Datasheet

## 4-1BB Ligand/TNFSF9 Antibody (AT113-2) [Janelia Fluor® 669]

**NBP3-11986JF669**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-11986JF669**

4-1BB Ligand/TNFSF9 Antibody (AT113-2) [Janelia Fluor® 669]

<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>	IgG Kappa
<b>Conjugate</b>	Janelia Fluor 669
<b>Purity</b>	Protein A purified
<b>Buffer</b>	50mM Sodium Borate

<b>Product Description</b>	
<b>Host</b>	Rabbit
<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.
<b>Notes</b>	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.

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



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### **Products Related to NBP3-11986JF669**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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