

# Product Datasheet

## 4-1BB/TNFRSF9/CD137 Antibody (4B4-1) - Low Endotoxin, Azide and BSA Free NBP3-09103

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NBP3-09103****4-1BB/TNFRSF9/CD137 Antibody (4B4-1) - Low Endotoxin, Azide and BSA Free**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	4B4-1
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A purified
<b>Buffer</b>	Phosphate buffered saline (PBS), pH 7.4

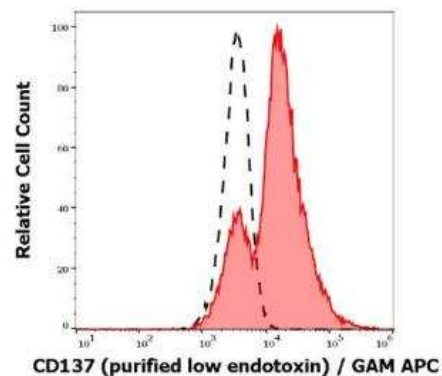
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse 4-1BB/TNFRSF9/CD137 Antibody (4B4-1) - Low Endotoxin, Azide and BSA Free (NBP3-09103) is a monoclonal antibody validated for use in ELISA, Flow and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	3604
<b>Gene Symbol</b>	TNFRSF9
<b>Species</b>	Human, Primate
<b>Specificity/Sensitivity</b>	The mouse monoclonal antibody 4B4-1 recognizes an extracellular conformational epitope on CD137, an approximately 40 kDa type I transmembrane protein of the TNFR family expressed mainly on activated T cells.
<b>Immunogen</b>	Recombinant human 4-1BB/TNFRSF9/CD137 ectodomain
<b>Endotoxin Note</b>	Endotoxin level is less than 0.01 EU/ug of the protein, as determined by the LAL test.

<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Flow Cytometry, Functional, Immunoprecipitation
<b>Recommended Dilutions</b>	Flow Cytometry 1-4 ug/ml, ELISA, Immunoprecipitation, Functional

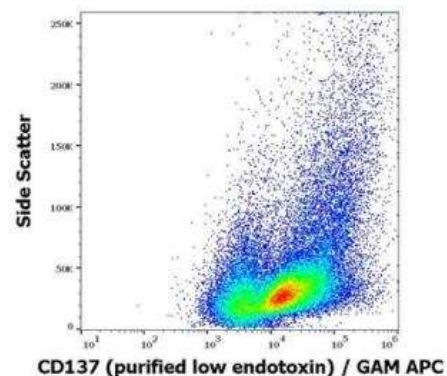


## Images

Flow Cytometry: 4-1BB/TNFRSF9/CD137 Antibody (4B4-1) - Low Endotoxin, Azide and BSA Free [NBP3-09103] - Separation of cells stained using anti-human CD137 (4B4-1) purified antibody (low endotoxin, concentration in sample 4 ug/ml, GAM APC, red-filled) from cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining) of human PHA stimulated peripheral blood mononuclear cell suspension.



Flow Cytometry: 4-1BB/TNFRSF9/CD137 Antibody (4B4-1) - Low Endotoxin, Azide and BSA Free [NBP3-09103] - Surface staining pattern of human PHA stimulated peripheral blood mononuclear cell suspension stained using anti-human CD137 (4B4-1) purified antibody (low endotoxin, concentration in sample 4 ug/ml) GAM APC.





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### **Products Related to NBP3-09103**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-34958-5ug	Recombinant Human 4-1BB/TNFRSF9/CD137 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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