

# Product Datasheet

## QA1b Antibody (6A8.6F10.1A6) - BSA Free NBP2-26649

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-26649**

QA1b Antibody (6A8.6F10.1A6) - BSA Free

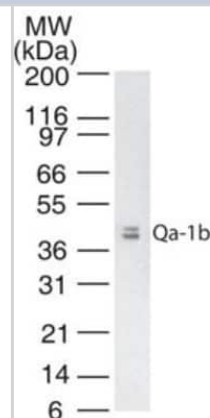
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	6A8.6F10.1A6
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse QA1b Antibody (6A8.6F10.1A6) - BSA Free (NBP2-26649) is a monoclonal antibody validated for use in WB, Flow and IP. Anti-QA1b Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	15040
Gene Symbol	QA1b
Species	Human, Mouse
Immunogen	Animals were immunized with a synthetic peptide from the alpha-2 domain of Qa-1b. Qa-1 is a Class Ib molecule recognized by cytotoxic T cells and natural killer cells. Spleen cells were fused with P3X63Ag8.653 myeloma cells. The antibody reacts with the Qa-1b Class Ib molecule.

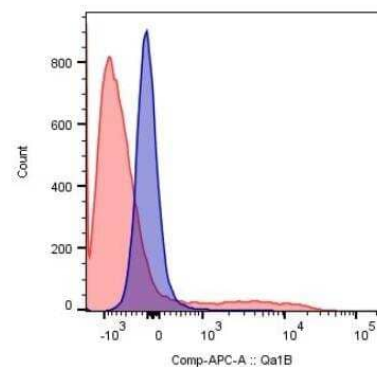
Product Application Details	
Applications	Western Blot, Flow Cytometry, Block/Neutralize
Recommended Dilutions	Western Blot 1 - 2 ug/mL, Flow Cytometry 1:10 - 1:1000, Block/Neutralize

**Images**

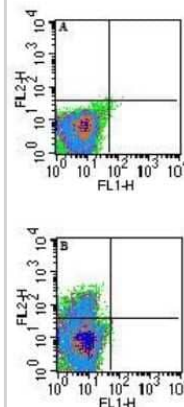
Western Blot: QA1b Antibody (6A8.6F10.1A6) [NBP2-26649] - Analysis of QA1b in mouse thymus tissue lysate using NBP2-26649 at 2 ug/mL.



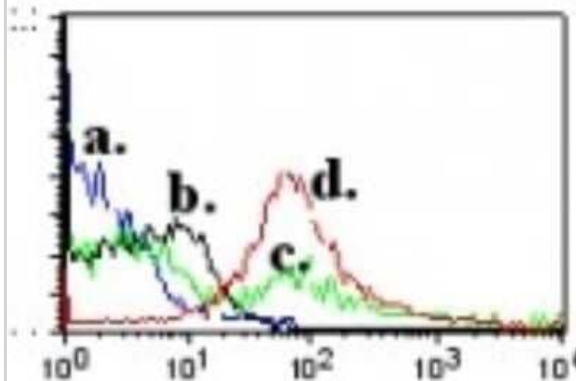
Flow Cytometry: QA1b Antibody (6A8.6F10.1A6) [NBP2-26649] - Experimental autoimmune encephalomyelitis was induced in C57BL6/J mice, and cells from central nervous system (brain+spinal cord) were isolated when the animals were at the peak of the disease. Cells were stained for QA1b, CD8, CD4, TNF, IFN $\gamma$ , IL-17, plus for viability to exclude dead cells. CNS cells of EAE mice stained for viable cells using APC conjugated QA1B antibody (NBP2-26649APC). Viable, CD8+ cells were gated and QA1b staining is showed in control cells, non-stained for QA1b (blue), and in QA1b-stained cells (red). Image from verified customer review.



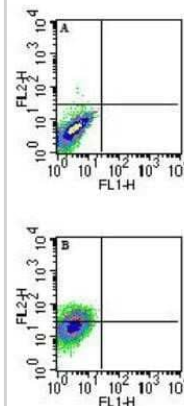
Flow Cytometry: QA1b Antibody (6A8.6F10.1A6) [NBP2-26649] - Analysis of QA1b in unstimulated Balb/c mouse splenocytes using A) isotype control and B) NBP2-26649 (with an anti-mouse IgG1-PE secondary) at 0.25  $\mu\text{g}/10^6$  cells. A shift is seen in only a small percentage of cells.



Flow Cytometry: QA1b Antibody (6A8.6F10.1A6) [NBP2-26649] - Analysis using the Biotin conjugate of NBP2-26649. Staining of resting and ConA activated (5  $\mu\text{g}/\text{mL}$  for 72 hr) BALB/C splenocytes using 0.5  $\mu\text{g}$  of Qa-1b biotinylated antibody. CD3 positive cells were gated. Streptavidin - PE (SA-PE) was used as secondary antibody. a) SA-PE resting cells. b) SA-PE ConA activated cells. c) Qa-1b resting cells. d) Qa-1b ConA activated cells.



Flow Cytometry: QA1b Antibody (6A8.6F10.1A6) [NBP2-26649] - Analysis of Qa-1b in 72 hour ConA-stimulated Balb/c mouse splenocytes using A) isotype control and B) NBP2-26649 (with an anti-mouse IgG1-PE secondary) at 0.25  $\mu\text{g}/10^6$  cells. A shift is seen in the entire population of cells Image using the Azide Free form of this antibody.



## Publications

The nonpolymorphic MHC Qa-1b mediates CD8+ T cell surveillance of antigen-processing defects Journal of Experimental Medicine 2010-01-18 [PMID: 20038604] (Block/Neutralize)

Brownlie D, Doughty-Shenton D, Yh Soong D, et al. Metastasis-associated macrophages constrain antitumor capability of natural killer cells in the metastatic site at least partially by membrane bound transforming growth factor  $\beta$  Journal for immunotherapy of cancer 2021-01-01 [PMID: 33472858] (FLOW, Mouse)





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### **Products Related to NBP2-26649**

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

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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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