

# Product Datasheet

## TLR9 Antibody (eB72-1665) - BSA Free NBP1-43140-0.1mg

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NBP1-43140-0.1mg**

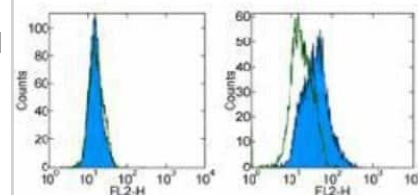
TLR9 Antibody (eB72-1665) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	eB72-1665
Preservative	0.09% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	PBS (pH 7.2)
Product Description	
Host	Rat
Gene ID	54106
Gene Symbol	TLR9
Species	Human
Immunogen	The immunogen for this antibody was Tolllike receptor 9.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1 ug/10 <sup>6</sup> cells in 100 ul, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Preliminary in vitro blocking assays suggested that NBP1-43140 may not be effective in blocking of CpG binding. Reported to be useful in Immunohistochemical Staining of Formalin-Fixed Paraffin Embedded Tissue Sections (PMID:17068481)

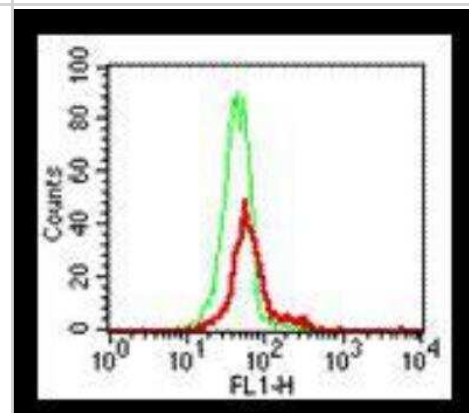


## Images

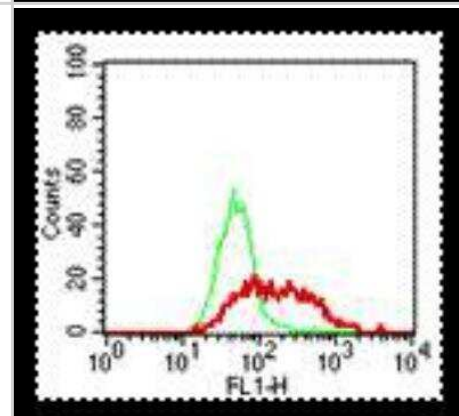
Flow Cytometry: TLR9 Antibody (eB72-1665) [NBP1-43140] - Analysis using the PE conjugate of NBP1-43140. Staining of non-transfected (left) and human CD289-transfected (right) HEK 293T cells with 1.0 ug of Rat IgG2a kappa Isotype Control PE (open histogram) or 1.0 ug of Anti-Human CD289 (TLR9) PE (filled histogram). Total viable cells were used for analysis.



Flow Cytometry: TLR9 Antibody (eB72-1665) [NBP1-43140] - HEK 293 parent cells (left panel) and 293/hTLR9 transfected cells (right panel) were fixed and permeabilized and subsequently stained with either Anti-Rat IgG FITC alone (thin line) or with 1 micrograms of Anti-Human CD289 (TLR9) Purified followed by Anti-Rat IgG FITC (thick line).



Flow Cytometry: TLR9 Antibody (eB72-1665) [NBP1-43140] - HEK 293 parent cells (left panel) and 293/hTLR9 transfected cells (right panel) were fixed and permeabilized and subsequently stained with either Anti-Rat IgG FITC alone (thin line) or with 1 micrograms of Anti-Human CD289 (TLR9) Purified followed by Anti-Rat IgG FITC (thick line).



## Publications

Dias AT, de Castro SBR, de Souza Alves CC et al. Genistein modulates the expression of Toll-like receptors in experimental autoimmune encephalomyelitis. *Inflamm Res* 2018-04-23 [PMID: 29687146] (FLOW)

### Details:

This citation used the PE version of this antibody.

Dasari P, Nicholson IC et al. Expression of toll-like receptors on B lymphocytes *Cell Immunol* 2005-01-01 [PMID: 16188245]

### Details:

This citation used the PE version of this antibody.

Peduzzi E, Groeper C, Schutte D et al. Local activation of the innate immune system in Buruli ulcer lesions. *J Invest Dermatol*. 2007-03-01 [PMID: 17068481]

Jozsef L, Khreiss T, El Kebir D et al. Activation of TLR-9 induces IL-8 secretion through peroxynitrite signaling in human neutrophils. *J Immunol*. 2006-01-01 [PMID: 16394009]

Schroeder JT, Bieneman AP, Xiao H et al. TLR9- and FcepsilonRI-mediated responses oppose one another in plasmacytoid dendritic cells by down-regulating receptor expression. *J Immunol*. 2005-11-01 [PMID: 16237063]

Leifer CA, Kennedy MN, Mazzoni A et al. TLR9 is localized in the endoplasmic reticulum prior to stimulation. *J Immunol*. 2004-07-01 [PMID: 15240708]





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### **Products Related to NBP1-43140-0.1mg**

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NBP2-26232	CpG oligodeoxynucleotides with negative control, TLR9 ligand
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
NBP1-43321-0.5mg	Rat IgG2a Kappa Light Chain Isotype Control (R2a)

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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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