

# 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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### Publications: 6

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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)

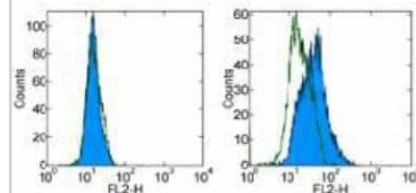
Product Description	
Description	Novus Biologicals Rat TLR9 Antibody (eB72-1665) - BSA Free (NBP1-43140) is a monoclonal antibody validated for use in IHC, WB, Flow and IP. Anti-TLR9 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	54106
Gene Symbol	TLR9
Species	Human
Immunogen	The immunogen for this antibody was Tolllike receptor 9.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, 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)

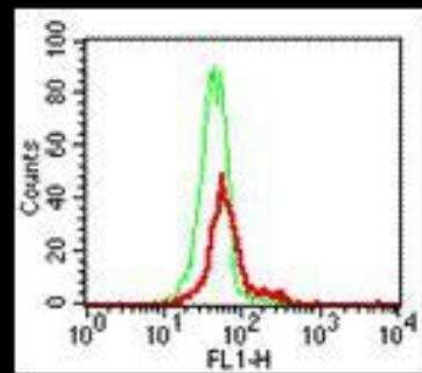


## Images

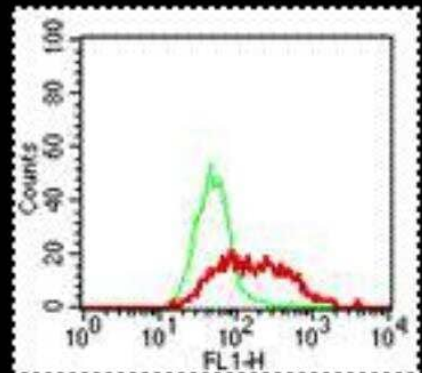
Flow Cytometry: TLR9 Antibody (eB72-1665) [NBP1-43140] - Analysis using the PE conjugate of NBP1-43140. Staining of non-transfected (left) and human CD289-transfected (right) HEK 293T cells with 1.0 ug of Rat IgG2a kappa Isotype Control PE (open histogram) or 1.0 ug of Anti-Human CD289 (TLR9) PE (filled 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 Resow* 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
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
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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