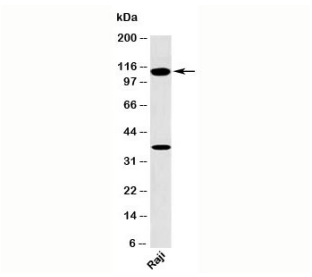
TLR9 Antibody [clone TR9541] (N1014)

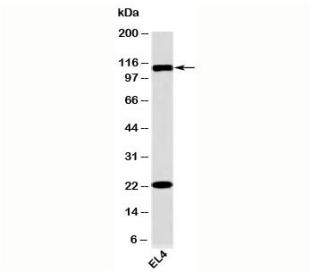
Catalog No.	Formulation	Size
N1014-100UG	0.5 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
N1014-25UG	0.5 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	25 ug

Bulk quote request

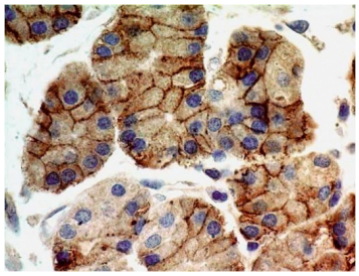
Species Reactivity	Human, Mouse
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	TR9541
Purity	Protein G Affinity Chromatography
Buffer	1X PBS, pH 7.4
Gene ID	54106
Localization	Cytoplasmic
Applications	Western blot: 2-4ug/ml Flow cytometry: 1ug/10^6 cells Immunohistochemistry (FFPE): 5ug/ml
Limitations	This **TLR9 antibody** is available for research use only.



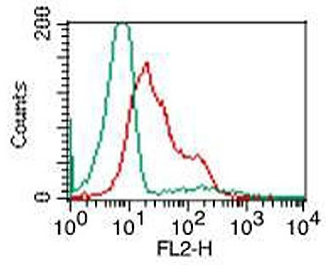
Western blot testing of human samples with TLR9 antibody at 2ug/ml.



Western blot testing of mouse samples with TLR9 antibody at 2ug/ml.



IHC testing of FFPE human stomach tissue with TLR9 antibody at 5ug/ml. HIER: steam tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



FACS testing of human PBMC (lymphocytes) with TLR9 antibody at 0.5ug/10^6 cells. Green: isotype control; Red: TLR9 antibody.

Description

The mammalian immune system is composed of two components: innate immunity and adaptive immunity. Toll-like receptors (TLRs) are an essential part of the innate immune system. Through recognition of pathogen-associated molecular patterns (PAMPs), TLRs mount an immune defense against pathogens. There are 10 mammalian TLRs (TLR1-10). Unmethylated CpG sequences in bacterial genomes and viral DNA molecules activates TLR9, leading to the inflammatory response.

Immunogen

A recombinant protein fragment from the N-terminal portion of human TLR9 was used as the immunogen for this antibody.

Storage

Aliquot the TLR9 antibody and store frozen at -20oC or colder to avoid repeated freeze-thaw cycles.

Alternate Names

Toll-like Receptor 9, CD289

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