

# Product Datasheet

## TLR4 Antibody (3B6) H00007099-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00007099-M02****TLR4 Antibody (3B6)**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3B6
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	PBS (pH 7.4)
<b>Product Description</b>	
<b>Description</b>	Quality control test: Antibody Reactive Against Recombinant Protein.
<b>Host</b>	Mouse
<b>Gene ID</b>	7099
<b>Gene Symbol</b>	TLR4
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	TLR4 - toll-like receptor 4
<b>Immunogen</b>	TLR4 (NP_612564, 214 a.a. - 291 a.a.) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. PMNFIQPGAFKEIRLHKLTLRNNFDSLNVKMKTCIQGLAGLEVHRLVLGFEFRNEG NLEKFDKSALEGLCNLTIEEFRLA
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Antibody reactivity against Recombinant Protein with GST tag on ELISA, WB and IHC. GST tag alone is used as a negative control.

## Publications

Nortunen M, VÄkiparta N, Porvari K et al. Pathophysiology of reflux oesophagitis: role of Toll-like receptors 2 and 4 and Farnesoid X receptor Virchows Archiv : an international journal of pathology 2021-03-08 [PMID: 33686512]

Halbert D, Domenyuk V, Spetzler D et al. Aptamers and uses thereof United States Patent Application US 9958448 B2 2018-01-01

Lanki MA, Seppänen HE, Mustonen HK et al. Toll-like receptor 2 and Toll-like receptor 4 predict favorable prognosis in local pancreatic cancer. Tumour Biol 2018-09-15 [PMID: 30246618]

Leppanen J, Helminen O, Huhta H et al. Toll-like receptors 2, 4 and 9 and hypoxia markers HIF-1alpha and CAIX in pancreatic intraepithelial neoplasia. APMIS 2018-11-15 [PMID: 30357962]

Paarnio K, Vayrynen S, Klintrup K et al. Divergent expression of bacterial wall sensing Toll-like receptors 2 and 4 in colorectal cancer. World J Gastroenterol 2017-07-14 [PMID: 28765705]

Huhta H, Helminen O, Lehenkari PP et al. Toll-like receptors 1, 2, 4 and 6 in esophageal epithelium, Barrett's esophagus, dysplasia and adenocarcinoma. Oncotarget 2016-04-26 [PMID: 27008696]

Leppanen J, Helminen O, Huhta H et al. High toll-like receptor (TLR) 9 expression is associated with better prognosis in surgically treated pancreatic cancer patients. Virchows Arch 2017-02-12 [PMID: 28191612]

Siponen M, Bitu CC, Al-Samadi A et al. Cathepsin K expression is increased in oral lichen planus. J Oral Pathol Med 2016-05-06 [PMID: 27152719]

Pohjanen VM, Koivurova OP, Huhta H et al. Toll-Like Receptor 4 Wild Type Homozygosity of Polymorphisms +896 and +1196 Is Associated with High Gastrin Serum Levels and Peptic Ulcer Risk. PLoS One. 2015-07-10 [PMID: 26161647]





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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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