



# Anti-TLR4 Monoclonal antibody, clone NUT620 (CABT-BL8353)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Isotype</b>	IgG2a, κ
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Clone</b>	NUT620
<b>Purification</b>	Affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, FC, IHC, IHC-F, FA, IP, ICC/IF
<b>Format</b>	Liquid
<b>Concentration</b>	0.5 mg/mL
<b>Size</b>	50 ug;100 ug
<b>Buffer</b>	PBS, pH 7.2
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	4°C

## BACKGROUND

### Introduction

MD-2 is a member of the Toll/interleukin-1 receptor (TIR) family, a group of proteins that include the Toll-like receptors (TLRs). TLRs are signaling molecules that recognize different pathogen-associated molecular patterns (PAMPs) and serve as an important link between the innate and adaptive immune responses. TLR4, the major signaling receptor for lipopolysaccharide (LPS), requires the binding of MD-2 to its extracellular region for maximal response to LPS. The specificity of this response is determined by the species of MD-2; e.g., human MD-2 transfected into mouse cells can cause mouse TLR4 to react to LPS analogs that are normally antagonistic to human but not mouse TLR4.

**Keywords**

TLR4; toll-like receptor 4; CD284; hToll; TLR 4; homolog of Drosophila toll; TOLL; TLR-4;  
ARMD10;

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## GENE INFORMATION

Entrez Gene ID [21898](#)

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UniProt ID [Q9QUK6](#)

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