

Mouse anti-Human Toll-like receptor 4 Monoclonal Antibody | anti-TLR4 antibody

Toll-like receptor 4 antibody

CATALOG # AAA107432	HOST Mouse	REACTIVITY Human	APPLICATIONS Functional Assay
-------------------------------	----------------------	----------------------------	---

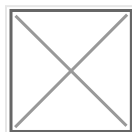
PRODUCT SYNONYMS

Toll-like receptor 4; Monoclonal Antibody; Toll-like receptor 4 antibody; Monoclonal Toll-like receptor 4; Anti-Toll-like receptor 4; TLR-4; toll-like receptor 4; Toll-like receptor-4; anti-TLR4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a kappa
Clone Number	HTA125
Specificity	Human
Purity/Purification	Toll-like receptor 4 antibody was purified by affinity chromatography.
Form/Format	Liquid in PBS, pH 7.2, with 0.09% Sodium Azide
Sequence Length	839
Applicable Applications for anti-TLR4 antibody	FA (Functional Assay)
Preparation and Storage	Store at 4°C.

IMAGES



FCM/FACS (Flow Cytometry)

Surface staining of normal human peripheral blood cells with CD284 antibody (PE) (left), and CD284 antibody (APC) (right). Appropriate Isotype Controls were used (open histogram). Cells in the monocyte population were used for analysis.

ADDITIONAL INFORMATION

Related Product Information for anti-TLR4 antibody	The HTA125 monoclonal antibody reacts with human Toll-like receptor 4. So far, at least ten members of the Toll family have been identified in humans. This family of type I transmembrane proteins is characterized by an extracellular domain with leucine-rich repeats and a cytoplasmic domain with homology to the type I IL-1 receptor. Two of these receptors, TLR2 and TLR4, are pattern recognition receptors and signaling molecules in response to bacterial lipoproteins and have been implicated in innate immunity and inflammation. TLR4 physically associates with another molecule called MD-2, and together with CD14, this complex is responsible for LPS recognition and signaling. TLR4 is expressed by peripheral blood monocytes. HTA125 has been reported to immunoprecipitate human TLR4 from transfected cells. Most TLR cell surface expression, especially TLR1 and TLR4, occurs at low levels on monocytes and at even lower levels on other cell types including granulocytes and immature dendritic cells. Furthermore, a relatively high degree of variability in TLR surface expression has been reported among normal donors.
Product Categories/Family for anti-TLR4 antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	19924149
NCBI GeneID	7099
NCBI Accession #	NP_612564.1
NCBI GenBank Nucleotide #	NM_138554.4
UniProt Accession #	O00206; Q5VZI8; Q5VZI9; Q9UK78; Q9UM57; A8K1Y8; A9XLP9; A9XLQ0; A9XLQ1; B4E194; D1CS52; D1CS53
NCBI Official Full Name	toll-like receptor 4 isoform A
NCBI Official Synonym Full Names	toll-like receptor 4
NCBI Official Symbol	TLR4
NCBI Official Synonym Symbols	TOLL; CD284; TLR-4; ARMD10
NCBI Protein Information	toll-like receptor 4
UniProt Protein Name	Toll-like receptor 4
UniProt Gene Name	TLR4
UniProt Entry Name	TLR4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/toll-like-receptor-4-antibody-clone-hta125-functional-assay-elisa/107432>