

Mouse anti-Human TLR4 Monoclonal Antibody | anti-TLR4 antibody

Monoclonal Antibody to TLR4 (Clone: HTA125)

CATALOG # AAA78288	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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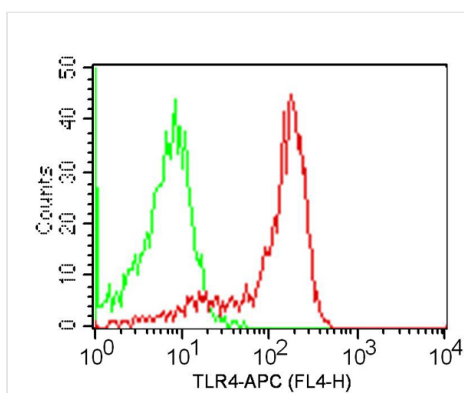
PRODUCT SYNONYMS

TLR4; Monoclonal Antibody; Monoclonal Antibody to TLR4 (Clone: HTA125); anti-TLR4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	HTA125
Purity/Purification	Protein G Chromatography
Form/Format	0.2 mg/ml in PBS with 0.05% Azide.
Sequence Length	839
Applicable Applications for anti-TLR4 antibody	FCM/FACS (Flow Cytometry)
Immunogen Information	This antibody was developed by immunizing mice with Ba/F3 cell line expressing human TLR4 cell surface antigen.
Antigen	TLR4
Conjugate	APC
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months.

IMAGES



FCM/FACS (Flow Cytometry)

Fig-1: Intracellular flow analysis of hTLR4 APC conjugated antibody in hPBMC (Monocytes) using 0.5 ug/10⁶ cells of hTLR4 antibody (Clone: HTA125). Green represents isotype control; red represents anti-hTLR4 APC conjugated antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TLR4 antibody	TLR4 (Toll-like receptor-4) is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. It primarily mediates cellular signaling induced by Gram-negative bacteria. TLR4 is highly specific for LPS and it is associated with CD14, a co-receptor for LPS. The downstream signaling pathway of TLR4 leads to the activation of NF-kappaB through myeloid differentiation protein (MyD88) and IL-1 receptor-associated kinase in various cell types. Keratinocytes express TLR4 at the mRNA and protein levels whereas TLR4 are also present in the normal human epidermis in vivo and their expression is regulated by microbial components. TLR4 is expressed on CD4+ T cells as well, the functional significance of which is unclear.
Product Categories/Family for anti-TLR4 antibody	Antibodies; TLR and Innate Immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	20140413
NCBI GeneID	7099
UniProt Accession #	O00206; Q5VZI8; Q5VZI9; Q9UK78; Q9UM57; A8K1Y8; A9XLP9; A9XLQ0; A9XLQ1; B4E194; D1CS52; D1CS53
Molecular Weight	73,301 Da
NCBI Official Full Name	Toll-like receptor 4
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

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.