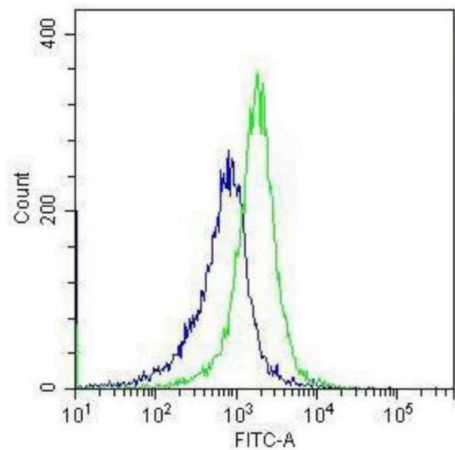


TLR4 Monoclonal Antibody (HTA125)

Product Details	
Size	100 µg
Species Reactivity	Dog, Human, Mouse
Published Species	Human
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	HTA125
Conjugate	Unconjugated
Immunogen	Ba/F3 cell line expressing human TLR4 cell surface antigen
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2537723

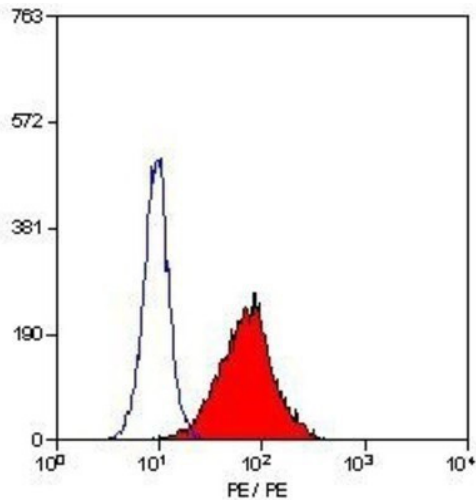
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	-
Immunocytochemistry (ICC/IF)	Assay-Dependent	-
Flow Cytometry (Flow)	0.25 µg x 10^6 cells	3 Publications
Immunoprecipitation (IP)	1:10-1:500	-
Neutralization (Neu)	Assay-Dependent	1 Publication
Functional Assay (FN)	Assay-Dependent	-
In vitro Assay (IV)	Assay-Dependent	-

Product Images For TLR4 Monoclonal Antibody (HTA125)



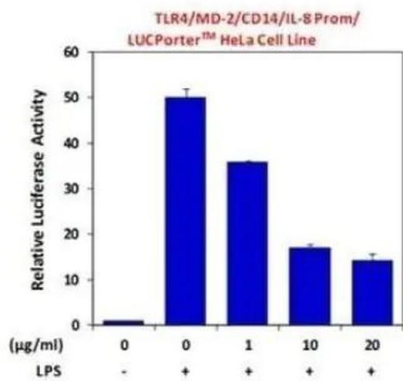
TLR4 Antibody (MA5-16205) in Flow

Flow Cytometry analysis of TLR4 in formaldehyde-fixed THP-1 cells (green) compared to an isotype control (blue). Staining was performed using a TLR4 monoclonal antibody (Product # MA5-16205) at a dilution of 2µg x 10⁶ cells., followed by secondary detection using a Donkey anti-Mouse IgG (H+L) Cross Adsorbed Secondary Antibody, DyLight 488 conjugate (Product # A-21202) at a dilution of 1:200. Mouse IgG2a Isotype Control (Product # MA5-14441) was used as a negative control at the same dilution as the primary antibody. Data provided courtesy of Antibody Resource.



TLR4 Antibody (MA5-16205) in Flow

Flow cytometry of TLR4 in U937 cells with mouse anti human CD284:RPE. Samples were incubated in TLR4 monoclonal antibody (Product # MA5-16205). Image using the PE form of this antibody.



TLR4 Antibody (MA5-16205) in Neu

Neutralization validation of TLR4 (CD284) in 1 x 10⁵ cells/well TLR4/MD-2/CD14/IL-8 Prom/LUCPorter HeLa cells. Samples were incubated in TLR4 (CD284) monoclonal antibody (Product # MA5-16205). After 16 h, cells were preincubated with different amounts of this antibody for 1 h and then stimulated with 10 ng/mL LPS for 6 h. Luciferase activity was then directly analyzed using the one-step luciferase reporter assay reagent. Data Summary: It inhibited LPS-mediated TLR4 activity in the TLR4/MD-2/CD14/IL-8 Prom/LUCPorter cell line. Image using the Azide Free format of this antibody.

View more figures on thermofisher.cn

Flow Cytometry (3)

Journal of leukocyte biology

The protease inhibitor cystatin C down-regulates the release of IL- and TNF- in lipopolysaccharide activated monocytes.

"MA516205 was used in flow cytometry to assess the ability of human cystatin C to alter pathogenic activated monocytes and modulate Crohn's disease"

Authors: Gren ST,Janciauskiene S,Sandeep S,Jonigk D,Kvist PH,Gerwien JG,Håkansson K,Grip O

Year
2016

Species
Human

PloS one

Elevated Toll-Like Receptor-Induced CXCL8 Secretion in Human Blood Basophils from Allergic Donors Is Independent of Toll-Like Receptor Expression Levels.

"MA516205 was used in flow cytometry to assess expression levels of Toll-like receptor 1, 2, 4 and 6 on purified basophils from birch pollen-, house dust mite-, and non-allergic individuals"

Authors: Steiner M,Hawranek T,Schneider M,Ferreira F,Horejs-Hoeck J,Harrer A,Himly M

Year
2016

Species
Human

[View more Flow references on thermofisher.cn](#)

Neutralization (1)

Journal of immunology (Baltimore, Md. : 1950)

IFN-gamma primes intact human coronary arteries and cultured coronary smooth muscle cells to double-stranded RNA- and self-RNA-induced inflammatory responses by upregulating TLR3 and melanoma differentiation-associated gene 5.

"MA5-16205 was used in blocking or activating experiment to investigate the contribution of RNA to the inflammatory milieu of arteriosclerosis"

Authors: Ahmad U,Ali R,Lebastchi AH,Qin L,Lo SF,Yakimov AO,Khan SF,Choy JC,Geirsson A,Pober JS,Tellides G

Year
2010

Species
Human

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