

TLR4 Monoclonal Antibody (HTA125)

Product Details	
Size	100 µg
Species Reactivity	Dog, Cat, Guinea pig, Human, Mouse, Non-human primate, Pig, Rhesus monkey
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	HTA125
Conjugate	Unconjugated
Immunogen	Ba/F3 cell line expressing TLR4
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_1961056

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	Assay-dependent	-
Flow Cytometry (Flow)	1:10-1:25	3 Publications
Immunoprecipitation (IP)	Assay-dependent	-
Neutralization (Neu)	Assay-dependent	2 Publications

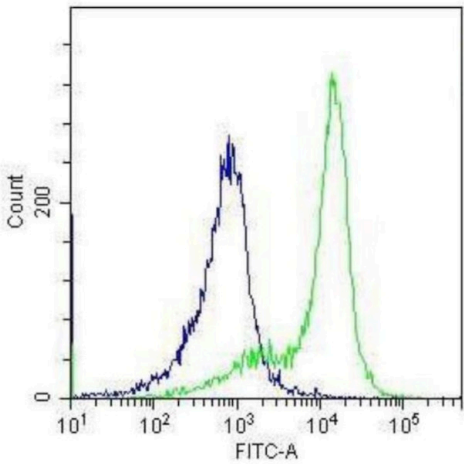
Product Specific Information

MA1-33380 detects TLR4 from guinea pig, non-human primate, human, pig and cat samples.

Product Images For TLR4 Monoclonal Antibody (HTA125)

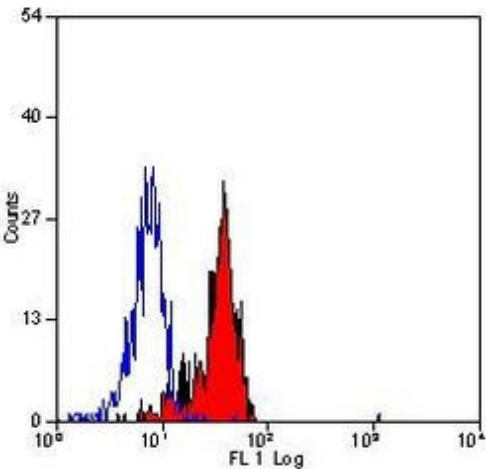
TLR4 Antibody (MA1-33380) in Flow

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 # MA1-33380) 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 (MA1-33380) in Flow

Flow Cytometry analysis of CD42a was performed in human peripheral blood monocytes using CD42a Monoclonal Antibody (GR-P) (Product # MA1-91023).



Flow Cytometry (3)

Journal of leukocyte biology

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

"MA133380 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.

"MA133380 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.com](#)

Neutralization (2)

Hepatology (Baltimore, Md.)

Dysfunctional B-cell activation in cirrhosis resulting from hepatitis C infection associated with disappearance of CD27-positive B-cell population.

"MA1-33380 was used in blocking or activating experiment to study the role of hepatitis C infection in the B-cell dysfunction in cirrhosis"

Authors: Doi H,Iyer TK,Carpenter E,Li H,Chang KM,Vonderheide RH,Kaplan DE

Year
2012

Species
Mouse

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.

"MA1-33380 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

More applications with references on thermofisher.com

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