

CD36 Monoclonal Antibody (185-1G2)

Product Details

Size	500 μ L
Species Reactivity	Human, Mouse
Published Species	Mouse, Human
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	185-1G2
Conjugate	Unconjugated
Immunogen	Stimulated human leukocytes
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein A/G
Storage buffer	PBS, pH 7.4, with 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	4°C
RRID	AB_11007635

Applications

Tested Dilution

Publications

Western Blot (WB)	-	2 Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent	-
Immunocytochemistry (ICC/IF)	1:10-1:100	2 Publications
Flow Cytometry (Flow)	0.5-1 μ g/test	6 Publications
Neutralization (Neu)	-	3 Publications
Inhibition Assays (IA)	-	1 Publication

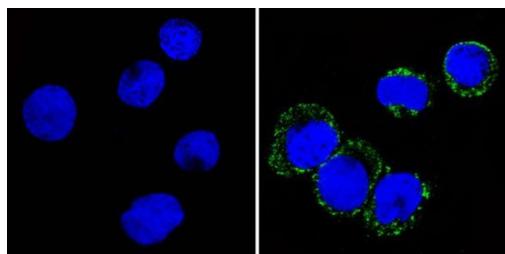
Product Specific Information

MA5-14112 targets CD36 in FACS, immunofluorescence, and immunohistochemistry (frozen) applications and shows reactivity with human and mouse samples.

The MA5-14112 immunogen is stimulated human leukocytes.

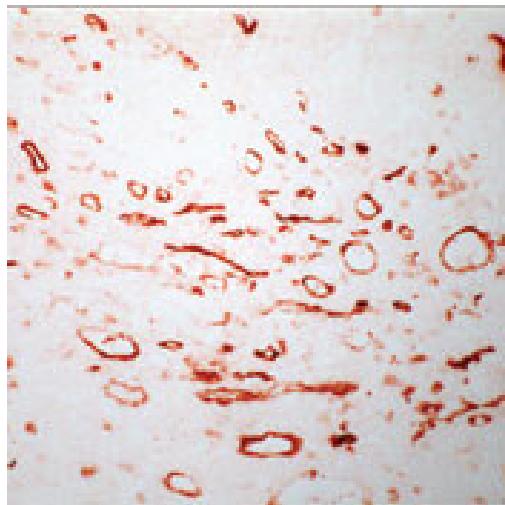
Product Images For CD36 Monoclonal Antibody (185-1G2)

CD36 Antibody (MA5-14112) in ICC/IF



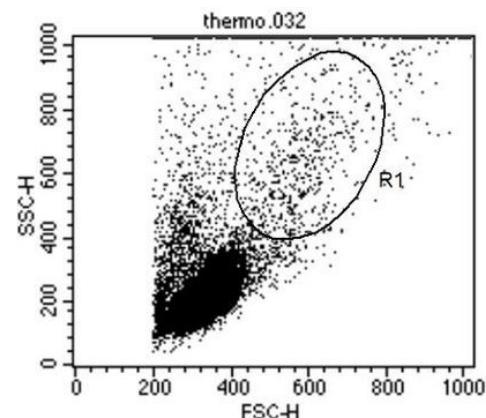
Immunofluorescent analysis of CD36 (green) showing staining in the membrane and cytoplasm of THP-1 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a CD36 monoclonal antibody (Product # MA5-14112) in 3% BSA-PBS at a dilution of 1:20 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.

CD36 Antibody (MA5-14112) in IHC (F)



Frozen human tonsil section stained with CD36 antibody using UltraVision LP and AEC chromogen. Note staining of monocytes, macrophages and endothelial cells.

CD36 Antibody (MA5-14112) in Flow



Flow cytometry analysis of CD36 in PBMC cells (green) compared to an isotype control (blue). Human blood was collected, combined with a hydrophilic polysaccharide, centrifuged, transferred to a conical tube and washed with PBS. 50 µL of cell solution was added to each tube at a dilution of 2×10^7 cells/mL, followed by the addition of 50 µL of isotype control and primary antibody (Product # MA5-14112) at a dilution of 0.5 µg/test. Cells were incubated for 30 min at 4°C and washed with a cell buffer, followed by incubation with a DyLight 488-conjugated goat anti-mouse IgG (H+L) secondary for 30 min at 4°C in the dark. FACS analysis was performed using 400 µL of cell buffer.

View more figures on thermofisher.cn

17 References

Western Blot (2)

International journal of molecular sciences

Empagliflozin Ameliorates Free Fatty Acid Induced-Lipotoxicity in Renal Proximal Tubular Cells via the PPAR/CD36 Pathway in Obese Mice.

"Published figure using CD36 monoclonal antibody (Product # MA5-14112) in Western Blot"

Authors: Huang CC,Chou CA,Chen WY,Yang JL,Lee WC,Chen JB,Lee CT,Li LC

Year
2021

Species
Mouse

Dilution
1:200

Nature

SR-B1 drives endothelial cell LDL transcytosis via DOCK4 to promote atherosclerosis.

"Published figure using CD36 monoclonal antibody (Product # MA5-14112) in Western Blot"

Authors: Huang L,Chambliss KL,Gao X,Yuhanna IS,Behling-Kelly E,Bergaya S,Ahmed M,Michaely P,Luby-Phelps K,Darehshouri A,Xu L,Fisher EA,Ge WP,Mineo C,Shaul PW

Year
2019

Immunohistochemistry (2)

Biology of reproduction

Histopathologies, immunolocalization, and a glycan binding screen provide insights into Plasmodium falciparum interactions with the human placenta.

"MA5-14112 was used in immunohistochemistry to study the mechanisms underlying the interaction of Plasmodium falciparum with the human placenta"

Authors: Hromatka BS,Ngeleza S,Adibi JJ,Niles RK,Tshefu AK,Fisher SJ

Year
2013

Species
Human

Dilution
10 µg/mL

The Journal of pathology

Differential expression of a gene signature for scavenger/lectin receptors by endothelial cells and macrophages in human lymph node sinuses, the primary sites of regional metastasis.

"MA5-14112 was used in immunohistochemistry To study the molecular mechanism for the arrest of metastatic tumour cells in human lymph node sinuses"

Authors: Martens JH,Kzhyshkowska J,Falkowski-Hansen M,Schledzewski K,Gratchev A,Mansmann U,Schmutzlermaier C,Dippel E,Koenen W,Riedel F,Sankala M,Tryggvason K,Kobzik L,Moldenhauer G,Arnold B,Goerdt S

Year
2006

Species
Human

More applications with references on thermofisher.cn

IHC (P) (1) ICC/IF (2) Flow (6) Neu (3) IA (1)

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