

CD36 Monoclonal Antibody (185-1G2)

Product Details	
Size	500 µL
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

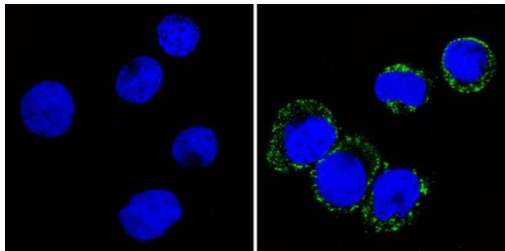
Applications	Tested Dilution	Publications
Western Blot (WB)	-	2 Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent	-
Immunocytochemistry (ICC/IF)	1:10-1:100	2 Publications
Flow Cytometry (Flow)	0.5-1 µg/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.

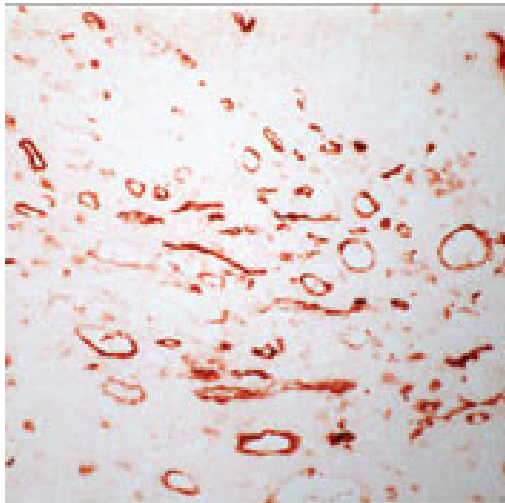
The MA5-14112 immunogen is stimulated human leukocytes.

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



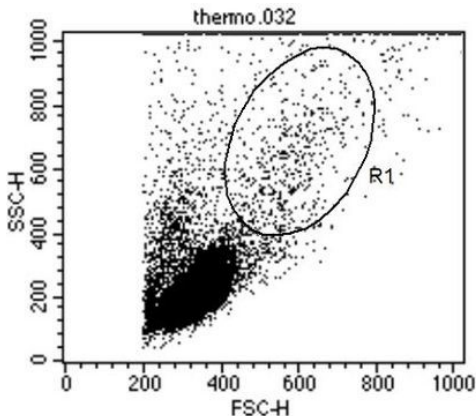
CD36 Antibody (MA5-14112) in ICC/IF

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.



Cell: peripheral blood monocytes
Concentration: 0.5µg/test (100µl)
Theory location: Membrane

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 2x10⁷ 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.

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Western Blot (2)

International journal of molecular sciences	Year 2021
Empagliflozin Ameliorates Free Fatty Acid Induced-Lipotoxicity in Renal Proximal Tubular Cells via the PPAR/CD36 Pathway in Obese Mice.	Species Mouse
"Published figure using CD36 monoclonal antibody (Product # MA5-14112) in Western Blot"	Dilution 1:200
Authors: Huang CC,Chou CA,Chen WY,Yang JL,Lee WC,Chen JB,Lee CT,Li LC	
Nature	Year 2019
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	

Immunohistochemistry (2)

Biology of reproduction	Year 2013
Histopathologies, immunolocalization, and a glycan binding screen provide insights into Plasmodium falciparum interactions with the human placenta.	Species Human
"MA5-14112 was used in immunohistochemistry to study the mechanisms underlying the interaction of Plasmodium falciparum with the human placenta"	Dilution 10 µg/mL
Authors: Hromatka BS,Ngeleza S,Adibi JJ,Niles RK,Tshefu AK,Fisher SJ	
The Journal of pathology	Year 2006
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.	Species Human
"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,Schmuttermaier C,Dippel E,Koenen W,Riedel F,Sankala M,Tryggvason K,Kobzik L,Moldenhauer G,Arnold B,Goerdts S	

More applications with references on thermofisher.cn

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

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