

CD26 Monoclonal Antibody (236.3)

Product Details

Size	500 µg
Species Reactivity	Human, Rat
Published Species	Human
Host/Isotype	Mouse / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	236.3
Conjugate	Unconjugated
Immunogen	Rat 110-120 kD single chain glycoprotein Depeptidyl Peptidase IV (CD26).
Form	Liquid
Concentration	1.0 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	no preservative
Storage conditions	-20°C
RRID	AB_223591

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	Assay-dependent	-
Immunocytochemistry (ICC/IF)	1:20-1:200	-
Flow Cytometry (Flow)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	1 Publication
Miscellaneous PubMed (Misc)	-	2 Publications

Product Specific Information

MA2607 targets CD26 in FACS, IHC, IF/ICC and IP applications and shows reactivity with Human and Rat samples.

The MA2607 immunogen is rat 110-120 kD single chain glycoprotein Depeptidyl Peptidase IV (CD26).

MA2607 detects CD26 which has a predicted molecular weight of approximately 88 kDa.

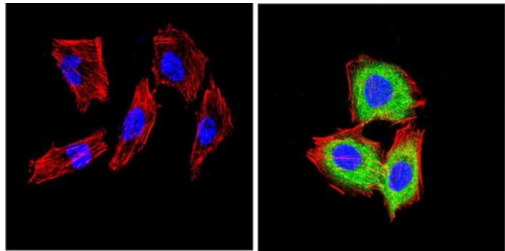
This product is a Low Endotoxin formulation.

This product has been tested for endotoxins by limulus amoebocyte lysate (LAL) assay and contains an endotoxin concentration of less than or equal to 10 endotoxin units per milligram (EU/mg).

Product Images For CD26 Monoclonal Antibody (236.3)

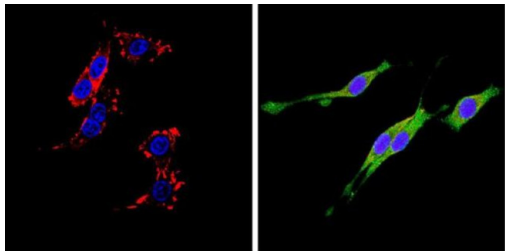
CD26 Antibody (MA2607) in ICC/IF

Immunofluorescent analysis of CD26 (green) showing positive staining in the cytoplasm of H-4-II-E cells (right) compared with a negative control in the absence of primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes, blocked with 3% BSA-PBS for 30 minutes at room temperature and probed with a CD26 monoclonal antibody (Product # MA2607) 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 488-conjugated goat-anti-mouse IgG (H+L) 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 DAPI for 5-10 minutes in the dark. Images were taken at a magnification of 60x.



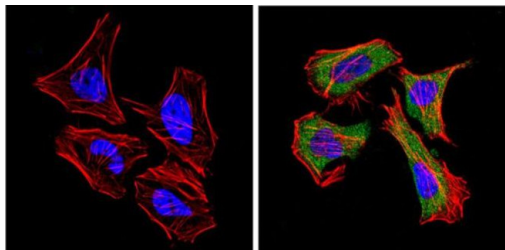
CD26 Antibody (MA2607) in ICC/IF

Immunofluorescent analysis of CD26 (green) showing positive staining in the cytoplasm of PC12 cells (right) compared with a negative control in the absence of primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes, blocked with 3% BSA-PBS for 30 minutes at room temperature and probed with a CD26 monoclonal antibody (Product # MA2607) 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 488-conjugated goat-anti-mouse IgG (H+L) 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 DAPI for 5-10 minutes in the dark. Images were taken at a magnification of 60x.



CD26 Antibody (MA2607) in ICC/IF

Immunofluorescent analysis of CD26 (green) showing positive staining in the cytoplasm of Hela cells (right) compared with a negative control in the absence of primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes, blocked with 3% BSA-PBS for 30 minutes at room temperature and probed with a CD26 monoclonal antibody (Product # MA2607) 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 488-conjugated goat-anti-mouse IgG (H+L) 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 DAPI for 5-10 minutes in the dark. Images were taken at a magnification of 60x.



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Immunoprecipitation (1)

The FEBS journal

Insulin-dependent phosphorylation of DPP IV in liver. Evidence for a role of compartmentalized c-Src.

"Published figure using CD26 monoclonal antibody (Product # MA2607) in Immunoprecipitation"

Authors: Bilodeau N,Fiset A,Poirier GG,Fortier S,Gingras MC,Lavoie JN,Faure RL

Year
2006

Miscellaneous PubMed (2)

Science immunology

TMPRSS2 and TMPRSS4 promote SARS-CoV-2 infection of human small intestinal enterocytes.

"MA2607 was used in RNA-Seq to highlight the intestine as a potential site of SARS-CoV-2 replication, which may contribute to local and systemic illness and overall disease progression."

Authors: Zang R,Gomez Castro MF,McCune BT,Zeng Q,Rothlauf PW,Sonnek NM,Liu Z,Brulois KF,Wang X,Greenberg HB,Diamond MS,Ciorba MA,Whelan SPJ,Ding S

Year
2020

Species
Human

The Biochemical journal

A Fischer rat substrain deficient in dipeptidyl peptidase IV activity makes normal steady-state RNA levels and an altered protein. Use as a liver-cell transplantation model.

"MA2607 was used in immunohistochemistry and immunoprecipitation to investigate the expression of dipeptidyl peptidase IV at the RNA and protein levels in rats"

Authors: Thompson NL,Hixson DC,Callanan H,Panzica M,Flanagan D,Faris RA,Hong WJ,Hartel-Schenk S,Doyle D

Year
1991

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