

CD155 Monoclonal Antibody (D171), Biotin

Product Details

Size	500 µL
Species Reactivity	Human, Mouse, Non-human primate
Published Species	Rat, Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	D171
Conjugate	Biotin
Immunogen	HeLa cells
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10980701

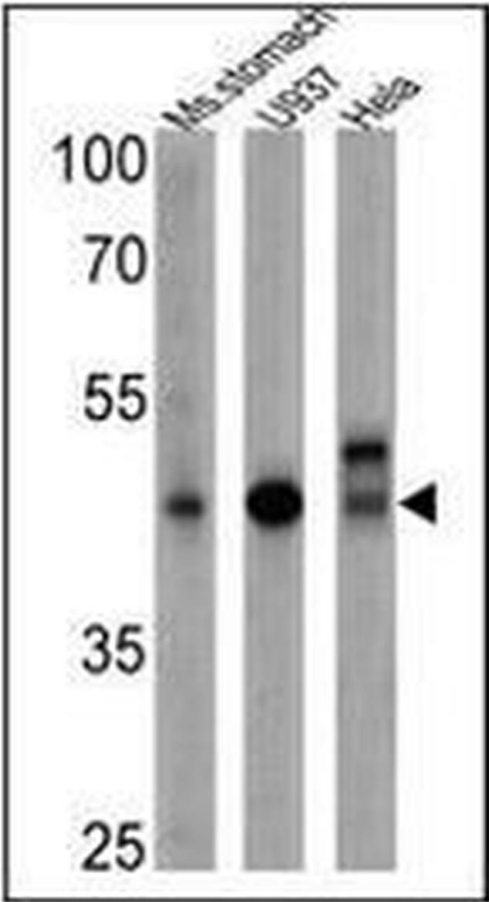
Applications	Tested Dilution	Publications
Western Blot (WB)	1:10-1:100	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	1:10-1:100	4 Publications
Flow Cytometry (Flow)	Assay-dependent	-

Product Specific Information

MA5-13490 targets CD155 in FACS, WB and ICC/IF applications and shows reactivity with Human, Mouse and Non-human primate samples.

The MA5-13490 immunogen is heLa cells.

Product Images For CD155 Monoclonal Antibody (D171), Biotin



CD155 Antibody (MA5-13490) in WB

Western blot analysis of CD155 was performed by loading 25 µg of mouse stomach (Lane 1), U-937 (Lane 2) and Hela (Lane 3) cell lysates onto an SDS polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked at 4°C overnight. The membrane was probed with a CD155 monoclonal antibody (Product # MA5-13493) at a dilution of 1:20 overnight at 4°C, washed in TBST, and probed with an HRP-conjugated secondary antibody for 1 hr at room temperature in the dark. Chemiluminescent detection was performed using Pierce ECL Plus Western Blotting Substrate (Product # 32132). Results show a band at approx. 45 kDa. This image was obtained using the unconjugated form of the antibody.

CD155 Antibody (MA5-13490) in ICC/IF

Immunofluorescent analysis of CD155 (green) showing staining in the membrane of U-87 MG 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 CD155 monoclonal antibody (Product # MA5-13493) 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.

CD155 Antibody (MA5-13490) in ICC/IF

Immunofluorescent analysis of CD155 (green) showing staining in the membrane of Hela 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 CD155 monoclonal antibody (Product # MA5-13493) 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.

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Western Blot (1)

<p>Biochemical and biophysical research communications</p> <p>Identification of secreted CD155 isoforms.</p> <p>"MA5-13490 was used in western blot to study secreted human CD155 isoforms"</p> <p>Authors: Baur B,Masson D,McDermott BM,Jarry A,Blotti�re HM,Blanchardie P,Laboisse CL,Lustenberger P,Racaniello VR,Denis MG</p>	<p>Year 2003</p> <p>Species Human</p>
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Immunohistochemistry (1)

<p>Molecular immunology</p> <p>NK cells recognize and lyse Ewing sarcoma cells through NKG2D and DNAM-1 receptor dependent pathways.</p> <p>"MA5-13490 was used in immunohistochemistry to investigate the effect of natural killer cells on Ewing sarcoma and its mechanism"</p> <p>Authors: Verhoeven DH,de Hooge AS,Mooiman EC,Santos SJ,ten Dam MM,Gelderblom H,Melief CJ,Hogendoorn PC,Egeler RM,van Tol MJ,Schilham MW,Lankester AC</p>	<p>Year 2008</p> <p>Species Human</p>
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Immunocytochemistry (4)

<p>Frontiers in immunology</p> <p>Physical Characterization of Colorectal Cancer Spheroids and Evaluation of NK Cell Infiltration Through a Flow-Based Analysis.</p> <p>"MA5-13490 was used in Immunocytochemistry to employ a flow-based method specifically conceived to measure weight, size and focused onto mass density values of tumor spheroids."</p> <p>Authors: Sargenti A,Musmeci F,Bacchi F,Delprete C,Cristaldi DA,Cannas F,Bonetti S,Pasqua S,Gazzola D,Costa D,Villa F,Zocchi MR,Poggi A</p>	<p>Year 2021</p> <p>Species Human</p>
<p>Journal of neuro-oncology</p> <p>Inhibition of Necl-5 (CD155/PVR) reduces glioblastoma dispersal and decreases MMP-2 expression and activity.</p> <p>"MA5-13490 was used in immunocytochemistry to investigate the effect of Necl-5 blockade on glioblastoma progression and specific gene expression"</p> <p>Authors: Enloe BM,Day DG</p>	<p>Year 2011</p> <p>Species Human</p>

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