

CD56 Monoclonal Antibody (123C3)

Product Details

Size	100 µL
Species Reactivity	Human, Zebrafish
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	123C3
Conjugate	Unconjugated
Immunogen	Small cell lung carcinoma.
Form	Liquid
Concentration	1 mg/mL
Purification	purified
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_558237

Applications	Tested Dilution	Publications
Western Blot (WB)	1:100-1:1,000	-
Immunohistochemistry (IHC)	-	18 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:200	9 Publications
Immunohistochemistry (Frozen) (IHC (F))	1:100-1:200	-
Immunocytochemistry (ICC/IF)	1:100-1:200	0 Publication
Miscellaneous PubMed (Misc)	-	3 Publications

Product Specific Information

MA1-06801 detects NCAM in human samples.

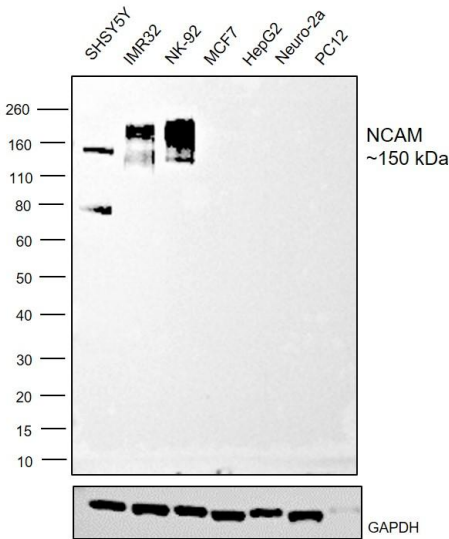
MA1-06801 has sucessfully been used in Western blotting, immunohistochemistry, and immunocytochemistry procedures.

The MA1-06801 immunogen a membrane preparation of a small cell lung carcinoma.

Product Images For CD56 Monoclonal Antibody (123C3)

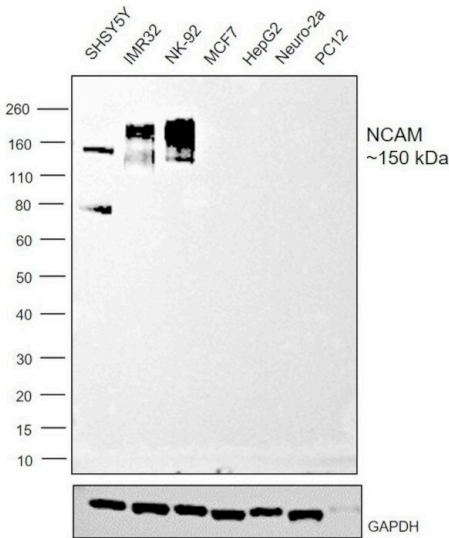
CD56 Antibody (MA1-06801) in WB

Western blot was performed using Anti-CD56 Monoclonal Antibody (123C3) (Product # MA1-06801) and a ~150kDa band corresponding to CD56 was observed across cell lines tested. Membrane enriched extracts (30 µg lysate) of SH-SY5Y (Lane 1), IMR-32 (Lane 2), NK-92 (Lane 3), MCF7 (Lane 4), Hep G2 (Lane 5), Neuro-2a (Lane 6), PC-12 (Lane 7) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # LC2002) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177,1:4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



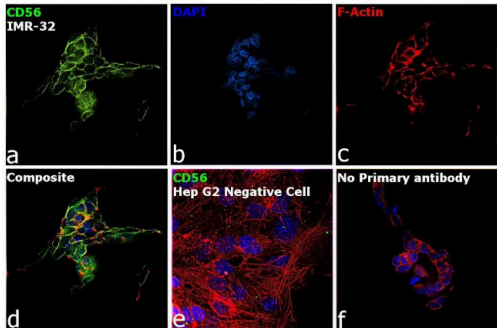
CD56 Antibody (MA1-06801)

Antibody specificity was demonstrated by detection of differential basal expression of the target across SH-SY5Y, IMR-32, NK-92, MCF-7, HepG2, Neuro-2a and PC-12 owing to their inherent genetic constitution. Relative expression of CD56 was observed in increased expression of CD56 in SH-SY5Y, IMR-32 and NK-92 compared to in MCF-7, HepG2, Neuro-2a and PC-12 using Anti-CD56 Monoclonal Antibody (123C3) (Product # MA1-06801) in Western Blot. {RE}



CD56 Antibody (MA1-06801)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-CD56 Monoclonal Antibody (123C3) (Product # MA1-06801), shows increased expression of CD56 in IMR-32 as compared to HepG2. {RE}



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Immunohistochemistry (18)

<p>Nucleic acids research</p> <p>ALT-FISH quantifies alternative lengthening of telomeres activity by imaging of single-stranded repeats.</p> <p>"MA1-06801 was used in Immunohistochemistry-immunofluorescence to show an assay which provides insights into the heterogeneity of ALT tumors and is suited for high-throughput applications, which will facilitate screening for ALT-specific drugs."</p> <p>Authors: Frank L,Rademacher A,Mücke N,Tirier SM,Koeleman E,Knotz C,Schumacher S,Stainczyk SA,Westermann F,Fröhling S,Chudasama P,Rippe K</p>	<p>Year 2022</p> <p>Species Human</p> <p>Dilution 1:200</p>
<p>Molecular therapy : the journal of the American Society of Gene Therapy</p> <p>Extracellular vesicle-mediated communication between hepatocytes and natural killer cells promotes hepatocellular tumorigenesis.</p> <p>"MA1-06801 was used in Immunohistochemistry to demonstrate that hepatic FBP1 depletion promotes HCC-associated immune remodeling, partly through the transfer of hepatocyte-secreted, PKLR-attenuated EVs to NK cells."</p> <p>Authors: Liu Z,You Y,Chen Q,Li G,Pan W,Yang Q,Dong J,Wu Y,Bai JX,Pan C,Li F,Li B</p>	<p>Year 2022</p> <p>Species Mouse</p>

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Immunohistochemistry (Paraffin) (9)

<p>Frontiers in immunology</p> <p>Natural Killer Group 2D Ligand Depletion Reconstitutes Natural Killer Cell Immunosurveillance of Head and Neck Squamous Cell Carcinoma.</p> <p>"MA1-06801 was used in Immunohistochemistry on paraffin embedded tissues to propose adsorption apheresis of sNKG2DLs as a future preconditioning strategy to improve the efficacy of autologous and adoptively transferred immune cells in cellular cancer immunotherapy."</p> <p>Authors: Weil S,Memmer S,Lechner A,Huppert V,Giannattasio A,Becker T,Müller-Runte A,Lampe K,Beutner D,Quaas A,Schubert R,Herrmann E,Steinle A,Koehl U,Walter L,von Bergwelt-Baildon MS,Koch J</p>	<p>Year 2022</p> <p>Species Human</p>
<p>Journal of research in medical sciences : the official journal of Isfahan University of Medical Sciences</p> <p>CD56, HBME-1 and cytokeratin 19 expressions in papillary thyroid carcinoma and nodular thyroid lesions.</p> <p>"MA106801 was used in immunohistochemistry - paraffin section to assess the use of CD56, HBME-1, cytokeratin 19 expression in papillary thyroid carcinoma and thyroid nodular lesions for differential diagnosis"</p> <p>Authors: Erdogan-Durmus S,Ozcan D,Yarikkaya E,Kurt A,Arslan A</p>	<p>Year 2022</p> <p>Species Human</p>

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Misc (3)

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