

CD56 Monoclonal Antibody (123C3)

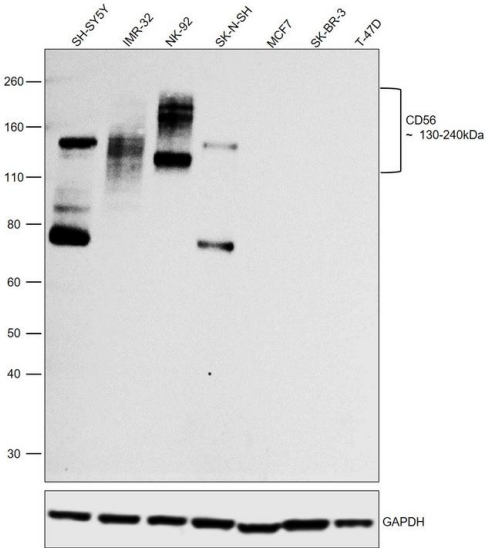
Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Virus, Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	123C3
Conjugate	Unconjugated
Immunogen	SCLC membrane preparation
Form	Liquid
Concentration	1 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2532931

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	Assay-dependent	11 Publications
Immunohistochemistry (Paraffin) (IHC (P))	2 µg/mL	4 Publications
Flow Cytometry (Flow)	-	2 Publications
Immunoprecipitation (IP)	2-5 µg	-
Miscellaneous PubMed (Misc)	-	5 Publications

Product Images For CD56 Monoclonal Antibody (123C3)

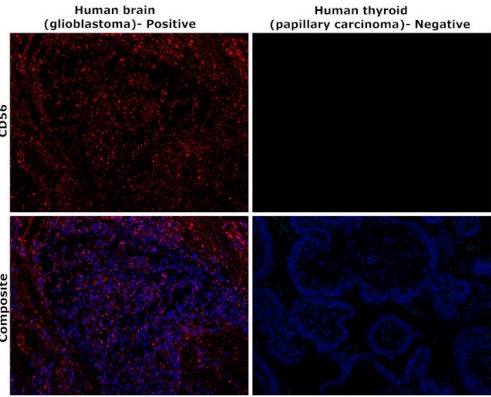
CD56 Antibody (07-5603) in WB

Western blot was performed using Anti-CD56 Monoclonal Antibody (123C3) (Product # 07-5603) and bands in the range of 130-240 kDa corresponding to Neural cell adhesion molecule 1 were observed. Membrane enriched extracts (30 µg lysate) of SH-SY5Y (Lane 1), IMR-32 (Lane 2), NK-92 (Lane 3), SK-N-SH (Lane 4), MCF7 (Lane 5), SK-BR-3 (Lane 6) and T-47D (Lane 7) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1,000) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:20,000 using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076). Relative expression was observed between SH-SY5Y, IMR-32, NK-92, SK-N-SH and breast cancer cell lines such as MCF7, SK-BR-3 and T-47D as expected (DOI: 10.1038/s41598-019-45377-8).



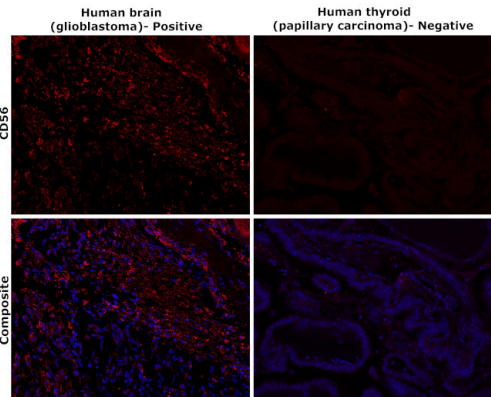
CD56 Antibody (07-5603)

Antibody specificity was demonstrated by the relative expression of target protein in different tissues by IHC. Differential expression of CD56 (NCAM) in human brain (glioblastoma) and human thyroid (papillary carcinoma) tissues using CD56 Monoclonal Antibody (123C3) (Product # 07-5603) shows strong staining of CD56 (NCAM) in human brain (glioblastoma) tissue and no staining in human thyroid (papillary carcinoma) tissue. {RE}



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Immunohistochemistry (11)

<p>Journal of gynecologic oncology</p> <p>The prognostic significance of tumor-infiltrating lymphocytes in cervical cancer.</p> <p>"07-5603 was used in Immunohistochemistry to construct a novel model with 5 specific cell types and identified a potential biomarker to predict the prognosis of cervical cancer."</p> <p>Authors: He M,Wang Y,Zhang G,Cao K,Yang M,Liu H</p>	<p>Year 2021</p> <p>Species Human</p> <p>Dilution 1:600</p>
<p>Open forum infectious diseases</p> <p>Parvovirus B19-Infected Tubulointerstitial Nephritis in Hereditary Spherocytosis.</p> <p>"07-5603 was used in Immunohistochemistry to demonstrate B19-infected tubulointerstitial nephritis due to the aberrant viremia with hereditary spherocytosis."</p> <p>Authors: Nishiyama K,Watanabe Y,Ishimura M,Tetsuhara K,Imai T,Kanemasa H,Ueki K,Motomura Y,Kaku N,Sakai Y, Imadome KI,Ohga S</p>	<p>Year 2020</p> <p>Species Human</p> <p>Dilution 1:100</p>

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Immunohistochemistry (Paraffin) (4)

<p>Endocrine journal</p> <p>Usefulness of the octreotide test in Japanese patients for predicting the presence/absence of somatostatin receptor 2 expression in insulinomas.</p> <p>"75603 was used in immunohistochemistry - paraffin section to assess the relationship between the results of the octreotide test and somatostatin receptor 2 expression in insulinoma patients to predict insulinomas in Japanese patients"</p> <p>Authors: Nakamura A,Mitsubishi T,Takano Y,Miyoshi H,Kameda H,Nomoto H,Nagai S,Hatanaka Y,Shimizu C,Terauchi Y,Atsumi T</p>	<p>Year 2016</p> <p>Species Human</p>
<p>PloS one</p> <p>Variable Expression of Neural Cell Adhesion Molecule Isoforms in Renal Tissue: Possible Role in Incipient Renal Fibrosis.</p> <p>"07-5603 was used in immunohistochemistry - paraffin section to learn the possible role of incipient renal fibrosis by variable expression of neural cell adhesion molecule isoforms in renal tissue"</p> <p>Authors: Markovi-Lipkovski J,Životi M,Müller CA,Tampe B,irovi S,Vještica J,Tomanovi N,Zeisberg M,Müller GA</p>	<p>Year 2016</p>

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More applications with references on thermofisher.com

- Flow (2)
- Misc (5)

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