

CD105 Monoclonal Antibody (MEM-226)

Product Details	
Size	100 µg
Species Reactivity	Human, Rat
Published Species	Rat
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	MEM-226
Conjugate	Unconjugated
Immunogen	Recombinant Vaccinia virus containing the human CD105 cDNA.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	15mM sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_1071115

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Flow Cytometry (Flow)	1-5 µg/mL	1 Publication
Immunoprecipitation (IP)	Assay-dependent	-

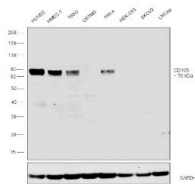
Product Specific Information

This antibody has been sucessfully used in Mass Cytometry (CyTof).

Product Images For CD105 Monoclonal Antibody (MEM-226)

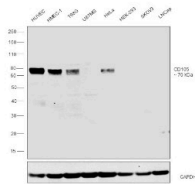
CD105 Antibody (MA1-19231) in WB

Western blot was performed using CD105 Monoclonal Antibody (MEM-226) (Product # MA1-19231) and a ~70 kDa band corresponding to CD105 was observed in HUVEC, HMEC-1, T98G and HeLa. Whole cell extracts (30 µg lysate) of HUVEC (Lane 1), HMEC-1 (Lane 2), T98G (Lane 3), U-87 MG (Lane 4), HeLa (Lane 5), HEK-293 (Lane 6), SK-O-V3 (Lane 7), LNCaP (Lane 8) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX), 10 well. 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 (1:1000) 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).



CD105 Antibody (MA1-19231)

Antibody specificity was demonstrated by detection of differential basal expression of the target across HUVEC, HMEC-1, T98G, U87MG, HeLa, HEK-293, SKOV-3 and LNCaP owing to their inherent genetic constitution. Relative expression of CD105 was observed only in HUVEC, HMEC-1, T98G and HeLa in comaprison to other cell lines using CD105 Monoclonal Antibody (MEM-226) (Product # MA1-19231) in Western Blot. {RE}



1 Reference

Flow Cytometry (1)

International journal of molecular medicine	Year 2020
Preliminary research on the effects and mechanisms of umbilical cordderived mesenchymal stem cells in streptozotocininduced diabetic retinopathy.	Species Rat
"MA1-19231 was used in Flow Cytometry to investigate the therapeutic effects of mesenchymal stem cell transplantation in diabetic retinopathy in rats."	
Authors: Zhao K,Liu J,Dong G,Xia H,Wang P,Xiao X,Chen Z	

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