

CD81 Monoclonal Antibody (M38)

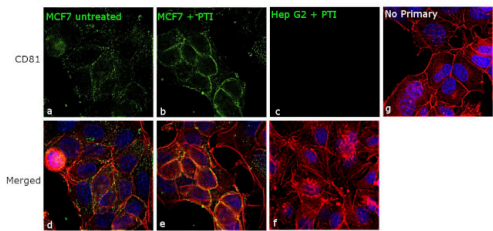
Product Details	
Size	100 µg
Species Reactivity	Cat, Human, Rabbit
Published Species	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	M38
Conjugate	Unconjugated
Immunogen	MOLT-4 (human T-ALL cell line)
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	15mM sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_11155175

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	Assay-dependent	-
Immunocytochemistry (ICC/IF)	Assay-dependent	1 Publication
Flow Cytometry (Flow)	1 µg/mL	-
Immunoprecipitation (IP)	Assay-dependent	-

Product Specific Information

Western Blot: non-reducing conditions.

Product Images For CD81 Monoclonal Antibody (M38)

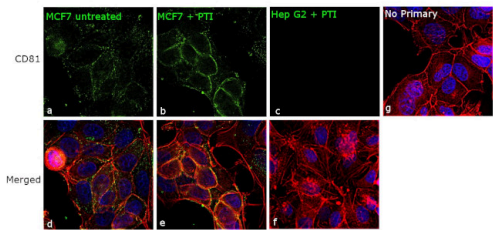


CD81 Antibody (MA1-10290)

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-CD81 Monoclonal Antibody (M38) (Product # MA1-10290), shows expression in peroxisomes, vesicles, ER and membrane localization in MCF7 compared to low expressing model, Hep G2 showing no signal. Relative Expression. {RE}

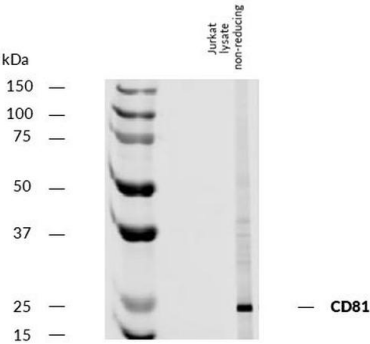
CD81 Antibody (MA1-10290) in ICC/IF

Immunofluorescence analysis of CD81 antigen was performed using 70% confluent log phase MCF7 cells (a), MCF7 treated with Protein transport inhibitor (PTI) (1X for 4hrs) (b), and Hep G2 treated with Protein transport inhibitor (PTI) (1X for 4hrs) (c). The cells were fixed with 4% paraformaldehyde for 5 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for overnight at room temperature. The cells were labeled with CD81 Monoclonal Antibody (M38) (Product # MA1-10290) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766), (1:2000 dilution), for 45 minutes at room temperature (Panel a, b, c: Green). Nuclei (Panel d, e, f: Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel d, e, f, g: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d, e represents the merged image showing peroxisomes, vesicles, ER, membrane localization. Panel c, f represents Hep G2 showing no expression. Panel g represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



CD81 Antibody (MA1-10290) in WB

Western blotting analysis of human CD81 using mouse monoclonal antibody M38 on lysate of Jurkat cell line under non-reducing conditions. Nitrocellulose membrane was probed with 2µg/mL of mouse anti-human CD81 monoclonal Monoclonal antibody (Product # MA1-10290) M38 followed by IRDye800-conjugated anti-mouse secondary antibody. A specific band was detected for CD81 at approximately 25 kDa.



View more figures on thermofisher.com

Western Blot (3)

<p>Oncology letters</p> <p>Circulating exosomal microRNAs as novel potential detection biomarkers in pancreatic cancer.</p> <p>"MA1-10290 was used in Western Blotting to study the circulating ex-miRNA-21 and miRNA-210 as novel biomarkers for patients with pancreatic cancer."</p> <p>Authors: Wu L,Zhou WB,Zhou J,Wei Y,Wang HM,Liu XD,Chen XC,Wang W,Ye L,Yao LC,Chen QH,Tang ZG</p>	<p>Year 2020</p> <p>Species Human</p> <p>Dilution 1:500</p>
<p>Journal of virology</p> <p>Human Immunodeficiency Virus-Associated Exosomes Promote Kaposi's Sarcoma-Associated Herpesvirus Infection via the Epidermal Growth Factor Receptor.</p> <p>"MA1-10290 was used in Immunocytochemistry-immunoflourescence to reveal that the transmission Kaposi's sarcoma-associated herpesvirus (KSHV) infection, which is promoted by the exosomes in the saliva of people living with human immunodeficiency virus (HIV), can reduced by the inhibition of epidermal growth factor receptor (EGFR)."</p> <p>Authors: Chen L,Feng Z,Yuan G,Emerson CC,Stewart PL,Ye F,Jin G</p>	<p>Year 2020</p> <p>Species Human</p>

View more WB references on thermofisher.com

Immunocytochemistry (1)

<p>Journal of virology</p> <p>Human Immunodeficiency Virus-Associated Exosomes Promote Kaposi's Sarcoma-Associated Herpesvirus Infection via the Epidermal Growth Factor Receptor.</p> <p>"MA1-10290 was used in Immunocytochemistry-immunoflourescence to reveal that the transmission Kaposi's sarcoma-associated herpesvirus (KSHV) infection, which is promoted by the exosomes in the saliva of people living with human immunodeficiency virus (HIV), can reduced by the inhibition of epidermal growth factor receptor (EGFR)."</p> <p>Authors: Chen L,Feng Z,Yuan G,Emerson CC,Stewart PL,Ye F,Jin G</p>	<p>Year 2020</p> <p>Species Human</p>
---	---

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.