

p38 MAPK Monoclonal Antibody (p38-3F11)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Non-human primate, Rat
Published Species	Rabbit, Rat, Human, Mouse
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	p38-3F11
Conjugate	Unconjugated
Immunogen	Full-length recombinant mouse p38 protein.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533100

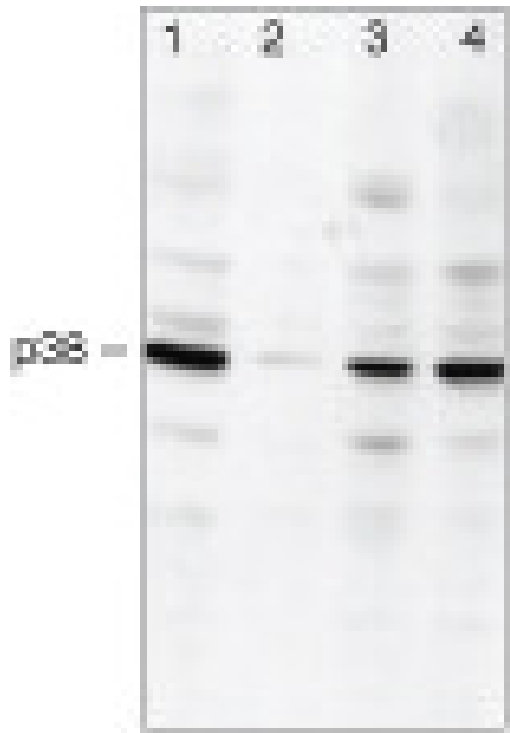
Applications	Tested Dilution	Publications
Western Blot (WB)	1.0 µg/mL	9 Publications
Immunocytochemistry (ICC/IF)	5-20 µg/mL	1 Publication
ELISA (ELISA)	0.1-1.0 µg/mL	-
Immunoprecipitation (IP)	-	1 Publication

Product Specific Information

33-1300 has been successfully used in immunofluorescence, and western blot with human recombinant proteins and whole cell lysates of hamster, mouse, and primate origins.

33-1300 specifically recognizes both alpha and beta isoforms of p38, with slight reactivity to p38-delta.

Product Images For p38 MAPK Monoclonal Antibody (p38-3F11)

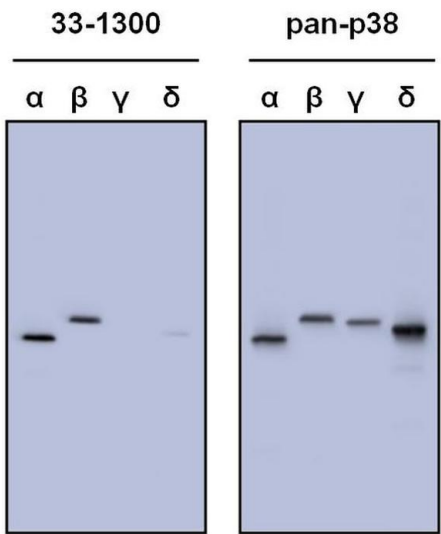
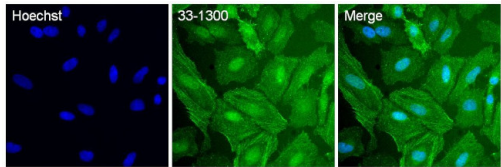


p38 MAPK Antibody (33-1300) in WB

Western blot analysis using Ms anti-p38a (Product # 33-1300) in: Lane 1: BHK cell lysates. Lane 2: C2C12 cell lysates. Lane 3: CHO cell lysates. Lane 4: COS cell lysates.

p38 MAPK Antibody (33-1300) in ICC/IF

Immunofluorescent analysis of p38-alpha (green) in HeLa cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.1% Triton X-100 in PBS for 10 minutes, and blocked with 3% BSA in PBS (Product # 37525) for 30 minutes at room temperature. Cells were stained with a mouse p38 monoclonal antibody (Product # 33-1300) at a dilution of 20 µg/mL in staining buffer for 1 hour at room temperature, and then incubated with a Goat anti-Mouse IgG (H+L) Superclonal Secondary Antibody, Alexa Fluor 488 conjugate (Product # A27027) at a dilution of 1:1000 for 1 hour at room temperature (green). Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ToxInsight Instrument at 20X magnification.



p38 MAPK Antibody (33-1300) in WB

Western blot analysis of p38 was performed by loading 50 ng of human, recombinant p38-alpha, beta, gamma and delta per well onto a Novex 4-20% Tris-Glycine polyacrylamide gel (Product # WT4202BOX). Proteins were transferred to a nitrocellulose membrane using the G2 Blotter (Product # 62288), and blocked with 5% milk in TBST for one hour at room temperature. Isoforms of p38 were detected using a p38 monoclonal antibody (Product # 33-1300, left panel) and a pan-p38 antibody (right panel) at a dilution of 1 µg/mL in blocking buffer overnight at 4C on a rocking platform, followed by a Goat anti-mouse IgG HRP-linked secondary antibody (Product # 31430) at a dilution of 1:10,000 for at least 30 minutes. Chemiluminescent detection was performed using SuperSignal Pico (Product # 34078) and the myECL™ Imager (Product # 62236)

View more figures on thermofisher.com

Western Blot (9)

<p>Frontiers in immunology</p> <p>Inhibiting Protein Kinase D Promotes Airway Epithelial Barrier Integrity in Mouse Models of Influenza A Virus Infection.</p> <p>"33-1300 was used in Western Blotting to study the functions of protein kinase D(PKD) in the lung and during viral infections."</p> <p>Authors: Veazey JM,Eliseeva SI,Hillman SE,Stiles K,Smyth TR,Morrissey CE,Tillotson EJ,Topham DJ,Chapman TJ,Georas SN</p>	<p>Year 2021</p> <p>Species Human</p> <p>Dilution 1:1000</p>
<p>Cell reports</p> <p>TGFR-SMAD3 Signaling Induces Resistance to PARP Inhibitors in the Bone Marrow Microenvironment.</p> <p>"33-1300 was used in Western Blotting to identify a constitutive mechanism of resistance to PARPi."</p> <p>Authors: Le BV,Podszyswalow-Bartnicka P,Maifrede S,Sullivan-Reed K,Nieborowska-Skorska M,Golovine K,Yao JC,Nejati R,Cai KQ,Caruso LB,Swatler J,Dabrowski M,Lian Z,Valent P,Paietta EM,Levine RL,Fernandez HF,Tallman MS,Litzow MR,Huang J,Challen GA,Link D,Tempera I,Wasik MA,Piwocka K,Skorski T</p>	<p>Year 2020</p> <p>Species Human</p>

[View more WB references on thermofisher.com](#)

Immunocytochemistry (1)

<p>Journal of immunology (Baltimore, Md. : 1950)</p> <p>p38 mitogen-activated protein kinase is activated and linked to TNF-alpha signaling in inflammatory bowel disease.</p> <p>Authors: Waetzig GH,Seegert D,Rosenstiel P,Nikolaus S,Schreiber S</p>	<p>Year 2002</p> <p>Species Human</p>
---	---

Immunoprecipitation (1)

<p>American journal of physiology. Heart and circulatory physiology</p> <p>Stress kinase phosphorylation is increased in pacing-induced heart failure in rabbits.</p> <p>Authors: Schulz R,Aker S,Belosjorow S,Konietzka I,Rauen U,Heusch G</p>	<p>Year 2003</p> <p>Species Rabbit</p> <p>Dilution 1:500</p>
---	---

More applications with references on thermofisher.com

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.