

SMAD3 Monoclonal Antibody (5G11)

Product Details

Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	5G11
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of human SMAD3 expressed in E. Coli.
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	ascites
Contains	0.03% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_10983274

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	3 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	1:200-1:1,000	1 Publication
ELISA (ELISA)	1:10,000	-
in situ PLA (PLA)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

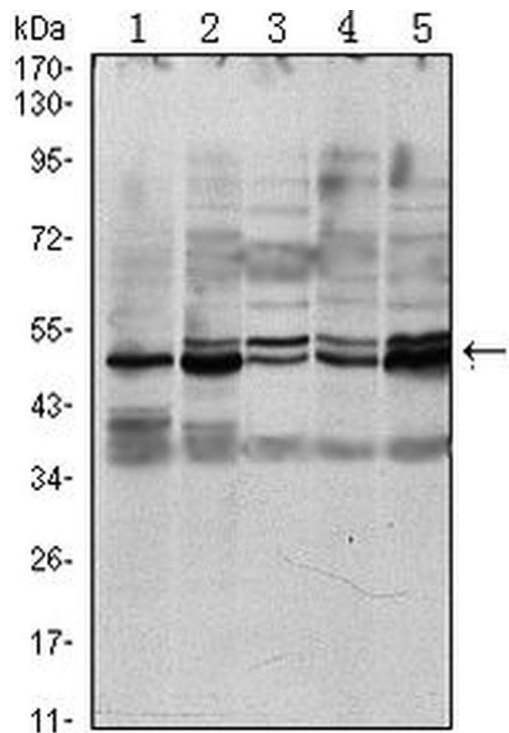
Product Specific Information

MA5-15663 targets SMAD3 in indirect ELISA, ICC, IF and WB applications and shows reactivity with Human and mouse samples.

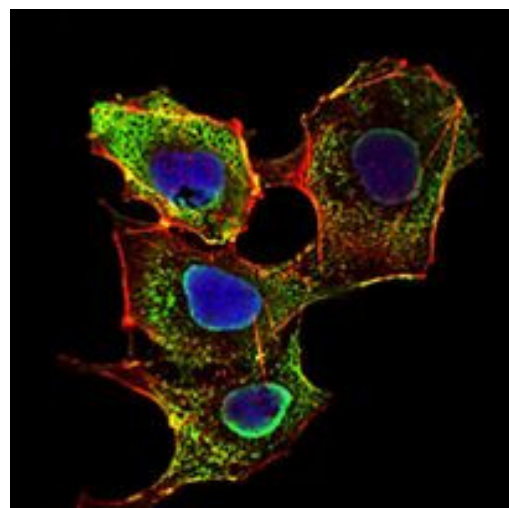
The MA5-15663 immunogen is purified recombinant fragment of human SMAD3 expressed in E. Coli.

MA5-15663 detects SMAD3 which has a predicted molecular weight of approximately 48kDa.

Product Images For SMAD3 Monoclonal Antibody (5G11)



SMAD3 Antibody (MA5-15663) in WB
Western blot analysis of SMAD3 using SMAD3 monoclonal antibody (Product # MA5-15663) in A549 (1), HeLa (2), Jurkat (3), PC-2 (4) and NIH/3T3 (5) cell lysate.



SMAD3 Antibody (MA5-15663) in ICC/IF
Immunofluorescence analysis of NIH/3T3 cells using SMAD3 monoclonal antibody (Product # MA5-15663) (Green). Blue: DRAQ5 fluorescent DNA dye. Red: actin filaments have been labeled with phalloidin.

[View more figures on thermofisher.com](https://thermofisher.com)

Western Blot (3)

<p>Nature communications</p> <p>Core transcription regulatory circuitry orchestrates corneal epithelial homeostasis.</p> <p>"MA5-15663 was used in Western Blotting to highlight CRC TF cooperativity for establishment of stem cell identity and lineage commitment, and provides comprehensive regulatory principles for human stratified epithelial homeostasis and pathogenesis."</p> <p>Authors: Li M,Huang H,Li L,He C,Zhu L,Guo H,Wang L,Liu J,Wu S,Liu J,Xu T,Mao Z,Cao N,Zhang K,Lan F,Ding J, Yuan J,Liu Y,Ouyang H</p>	<p>Year 2021</p> <p>Species Human</p> <p>Dilution 1:1000</p>
<p>BMC cancer</p> <p>c-Jun N terminal kinase modulates NOX-4 derived ROS production and myofibroblasts differentiation in human breast stromal cells.</p> <p>"Published figure using SMAD3 monoclonal antibody (Product # MA5-15663) in Western Blot"</p> <p>Authors: Tobar N,Toyos M,Urra C,Méndez N,Arancibia R,Smith PC,Martínez J</p>	<p>Year 2014</p> <p>Species Human</p>

View more WB references on thermofisher.com

Immunohistochemistry (1)

<p>eLife</p> <p>RIPK1-RIPK3-MLKL-dependent necrosis promotes the aging of mouse male reproductive system.</p> <p>"MA5-15663 was used in Immunohistochemistry to report that male reproductive organs of both Ripk3- and Mkl- knockout mice retain "youthful" morphology and function into advanced age, while those of age-matched wild-type mice deteriorate."</p> <p>Authors: Li D,Meng L,Xu T,Su Y,Liu X,Zhang Z,Wang X</p>	<p>Year 2017</p> <p>Species Mouse</p>
---	---

Immunocytochemistry (1)

<p>Nucleic acids research</p> <p>SOX4 can redirect TGF--mediated SMAD3-transcriptional output in a context-dependent manner to promote tumorigenesis.</p> <p>"Published figure using SMAD3 monoclonal antibody (Product # MA5-15663) in Immunofluorescence"</p> <p>Authors: Vervoort SJ,Lourenço AR,Tufegdzc Vidakovic A,Mocholi E,Sandoval JL,Rueda OM,Frederiks C,Pals C, Peeters JGC,Caldas C,Bruna A,Coffer PJ</p>	<p>Year 2018</p>
---	----------------------

More applications with references on thermofisher.com

- PLA (1)
- Misc (1)

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.