BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Keratin KRT6C Monoclonal Antibody

Catalog Number: M07078

About KRT6C

Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. There are two types of keratins (cytoskeletal and microfibrillar) and are clustered in a region of chromosome. Cytokeratins (CK) are intermediate filaments of epithelial cells, both in keratinizing tissue (i.e. skin) and non-keratinizing cells (i.e. mesothelial). Anti-Keratin Antibody is useful for researchers interested in cytoskeletal signaling and developmental biology research.

Overview

Product Name	Anti-Keratin KRT6C Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Keratin KRT6C Monoclonal Antibody (Catalog # M07078). Tested in ELISA, IF, IHC, WB applications. This antibody reacts with Human.
Application	ELISA, IP, IF, IHC, WB
Clonality	Monoclonal Clone: C11
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Mouse
Uniprot ID	P48668

Technical Details

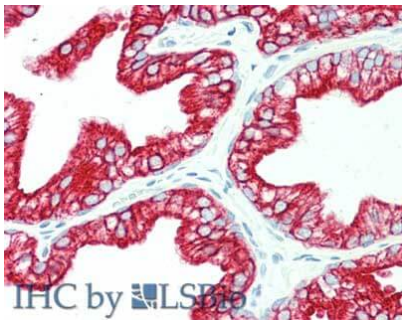
Immunogen	This protein A purified monoclonal antibody was produced by repeated immunizations with purified human cytoskeletal preparations from A431 cells.
Predicted Reactive Species	Chimpanzee, Hamster
Isotype	IgG1
Form	Liquid (sterile filtered)
Concentration	1.3 mg/mL by UV absorbance at 280 nm
Purification	This protein A purified mouse monoclonal antibody reacts specifically with keratins from human tissues and derived cell lines. This antibody reacts with keratin (56 kDa), keratin 17 (46 kDa), keratin

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

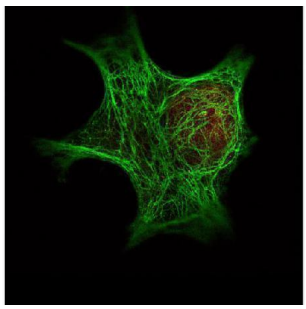
	18 (45 kDa) and keratin 19 (40 kDa) derived from humans. Cross-reactivity with keratins from other sources has not been determined. No reaction is expected against other filament proteins including vimentin, desmin and neurofilament protein.
Suggested Dilutions	ELISA: 1:5,000 - 1:20,000 IHC: 1:50 - 1:200 IF Microscopy: 1:50 - 1:200 IP: 1:100 WB: 1:50 - 1:200 Anti-Keratin Antibody has been tested in ELISA, immunohistochemistry, immunofluorescence, immunoblotting and immunoprecipitation. For a positive control use skin, colon carcinoma and squamous granulocyte carcinoma cells.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Keratin KRT6C Monoclonal Antibody (M07078) Images

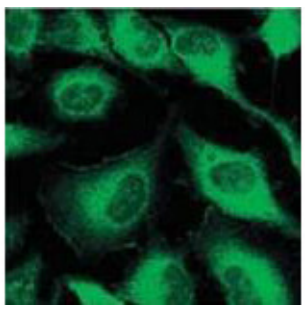


Immunohistochemistry of Mouse anti-Keratin antibody. Tissue: human prostate. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: anti-Keratin antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase mouse secondary antibody at 1:10,000 for 45 min at RT. Staining: Keratin as precipitated red signal with hematoxylin purple nuclear counterstain.



Immunofluorescence Microscopy of Boster Immunochemical's Anti-Keratin antibody was used with Boster's DyLight™ 488 goat anti-mouse [shown in green] to detect Keratin by Immunofluorescence. In the same experiment, Boster's polyclonal Anti-HDAC-1 antibody was used with Atto425 Anti-Rabbit IgG [shown in red] to detect HDAC-1. Data was collected on a STED-CW TCS-SP5 Confocal system (Leica Microsystems) equipped with a DFC 350FX camera allowing sequential acquisition in wide-field, confocal and STED CW imaging modes and provided courtesy of: Myriam Gastard, PhD, personal communication, Leica Microsystems, Inc. USA

Western blot using Boster Immunochemical's Mouse Anti-Keratin antibody. This antibody recognizes a single 56kDa band corresponding to human keratin as confirmed by the position of molecular weight markers (not shown). Approximately 100ng of keratin from human epidermis was applied under reducing conditions to a pre-cast 4-20% iGel from Gradipore Inc. A 1:400 dilution of Mab anti-Keratin was used for 2h followed by detection using a 1:5,000 dilution of IRDye™800 conjugated Goat-a-Mouse IgG [H&L] and visualization using the Odyssey® Infrared Imaging System developed by LI-COR. Other detection systems will yield similar results. IRDye is a trademark of LI-COR, Inc.



Immunofluorescence using Boster Immunochemical's Mouse Anti-Keratin antibody. Confocal slices of HeLa cells are between 0.5 and 0.6 µm where the image is taken near the bottom of the cell. Use FITC conjugated Goat-a-Mouse IgG [H&L] at 1:2,000 dilution for detection.

9 Publications Citing This Product

1. PubMed ID: 23604326, Biological characteristics of CD133+?cells in nasopharyngeal carcinoma

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

2. PubMed ID: 30138944, Biological characteristics of CD133 cells in nasopharyngeal carcinoma

3. PubMed ID: 23926453, In vitro apoptosis effects of GnRHII on endometrial stromal cells from patients with endometriosis

Visit bosterbio.com/anti-keratin-antibody-m07078-boster.html to see all 9 publications.

Anti-Keratin KRT6C Monoclonal Antibody

For Research Use Only. Not for use in diagnostic procedures.