

Datasheet: VMA00405

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|----------------------|------------------------|
| Description: | MOUSE ANTI ITCH |
| Specificity: | ITCH |
| Format: | Purified |
| Product Type: | PrecisionAb Monoclonal |
| Clone: | CPTC7 |
| Isotype: | IgG2b |
| Quantity: | 100 µl |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪ | | | 1/1000 |

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody purified by affinity chromatography on Protein G from ascites.

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

0.09% Sodium Azide (NaN₃).

| | |
|---------------------------------------|--|
| Approx. Protein Concentrations | IgG concentration 0.5 mg/ml |
| Immunogen | Recombinant protein corresponding to aa 257-903 of human ITCH |
| External Database Links | <p>UniProt: Q96J02 Related reagents</p> <p>Entrez Gene: 83737 ITCH Related reagents</p> |
| Specificity | <p>Mouse anti Human ITCH antibody recognizes ITCH, also known as E3 ligase Itchy homolog, NFE2-associated polypeptide 1, atrophin-1 interacting protein 4, AIP4 or dJ468O1.1 (atrophin 1 interacting protein 4 (AIP4)) and itchy E3 ubiquitin protein ligase homolog.</p> <p>The ITCH gene encodes a member of the Nedd4 family of HECT domain E3 ubiquitin ligases. HECT domain E3 ubiquitin ligases transfer ubiquitin from E2 ubiquitin-conjugating enzymes to protein substrates, thus targeting specific proteins for lysosomal degradation. The encoded protein plays a role in multiple cellular processes including erythroid and lymphoid cell differentiation and the regulation of immune responses. Mutations in ITCH are a cause of syndromic multisystem autoimmune disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed for ITCH (provided by RefSeq, Mar 2012).</p> <p>Mouse anti Human ITCH antibody detects a band of 102 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| Western Blotting | Anti ITCH detects a band of approximately 102 kDa in A431 cell lysates. |
| Storage | Store undiluted at -20°C, avoiding repeated freeze thaw cycles. |
| Guarantee | 12 months from date of despatch. |
| Acknowledgements | PrecisionAb is a trademark of Bio-Rad Laboratories. |
| Health And Safety Information | Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00405 Antibody (10040) |
| Regulatory | For research purposes only. |

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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