

Datasheet: VMA00483

**BATCH NUMBER 160712**

<b>Description:</b>	MOUSE ANTI HPRT1
<b>Specificity:</b>	HPRT1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	5F11A7
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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  
**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

Purified IgG prepared by affinity chromatography on Protein G from ascites

### Buffer Solution

Phosphate buffered saline

### Preservative

0.09% Sodium Azide (NaN<sub>3</sub>)

## Stabilisers

---

**Approx. Protein Concentrations** IgG concentration 0.5 mg/ml

---

**Immunogen** Purified recombinant fragment of human HPRT1 (aa1-218) expressed in *E. Coli*

---

## External Database Links

**UniProt:**  
[P00492](#)    [Related reagents](#)

**Entrez Gene:**  
[3251](#)    HPRT1    [Related reagents](#)

---

**Synonyms** HPRT

---

**Specificity** **Mouse anti Human HPRT1 antibody** recognizes HPRT1 also known as hypoxanthine-guanine phosphoribosyltransferase or HGPRTase.

The protein encoded by HPRT1 gene is a transferase, which catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 1-pyrophosphate. This enzyme plays a central role in the generation of purine nucleotides through the purine salvage pathway. Mutations in HPRT1 result in Lesch-Nyhan syndrome ([LNS](#)) or gout (provided by RefSeq, Jun 2009).

Mouse anti Human HPRT1 antibody detects a band of 24 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

---

**Western Blotting** Anti HPRT1 detects a band of approximately 24 kDa in HeLa cell lysate

---

**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/VMA00483>  
Antibody (10040)

---

**Regulatory** For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

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

**North & South America** Tel: +1 800 265 7376  
Fax: +1 919 878 3751  
Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto: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](https://bio-rad-antibodies.com/datasheets)

'M375830:210112'

**Printed on 25 Mar 2023**

---

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)