

Datasheet: VMA00883

Description:	MOUSE ANTI HLTF
Specificity:	HLTF
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB03/1C7
Isotype:	IgG1
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
Immunoprecipitation	▪			
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
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 435-1009 of human HLTF

**External Database
Links**

UniProt:

[Q14527](#) [Related reagents](#)

Entrez Gene:

[6596](#) HLTF [Related reagents](#)

Synonyms

HIP116A, RNF80, SMARCA3, SNF2L3, ZBU1

Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity

Mouse anti HLTF antibody recognizes helicase-like transcription factor, also known as HIP116, RNF80, SMARCA3, SNF2L3 and ZBU1.

HLTF is a multi-domain, multi-functional enzyme, but its primary role appears to be genome stability. HLTF achieves repair of damaged DNA by associating with replication forks and binding to DNA through its substrate recognition domain (SRD). Accordingly, inactivation of HLTF results in phenotypes that suggest replication stress ([Poole and Cortez 2017](#)). HLTF appears to function as a tumor suppressor gene, with silencing of the gene encoding HLTF found in several cancer types. In cancer cell lines, sensitivity or resistance to lysosomal autophagy inhibitors appears to be genetically determined by HLTF expression. In addition to cancer, HLTF has been implicated in inflammatory bowel disease, and in the infection of cells by HIV ([Elserafy et al. 2018](#)).

Western Blotting

Mouse anti HLTF antibody detects a band of approximately 117 kDa in Jurkat 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:
Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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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