

Datasheet: VMA00578

Description:	MOUSE ANTI TRANSFERRIN
Specificity:	TRANSFERRIN
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	14C10
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
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 purified by affinity chromatography on Protein G from ascites.
Buffer Solution	HEPES buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin <50% Glycerol
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Transferrin purified from human plasma

**External Database
Links**

UniProt:

[P02787](#)

[Related reagents](#)

Entrez Gene:

[7018](#)

TF

[Related reagents](#)

Specificity

Mouse anti Human transferrin antibody recognizes serotransferrin, also known as beta-1 metal-binding globulin or siderophilin.

The TF gene encodes a glycoprotein with an approximate molecular weight of 76.5 kDa. It is thought to have been created as a result of an ancient gene duplication event that led to generation of homologous C and N-terminal domains each of which binds one ion of ferric iron. The function of this protein is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. This protein may also have a physiologic role as granulocyte/pollen-binding protein (GPBP) involved in the removal of certain organic matter and allergens from serum (provided by RefSeq, Sep 2009).

Mouse anti Human transferrin antibody detects a band of 83 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti transferrin detects a band of approximately 83 kDa in HepG2 cell lysates.

Storage

This product is shipped at ambient temperature.
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 #20359 available at:
<https://www.bio-rad-antibodies.com/SDS/VMA00578>
Antibody (20359)

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](https://www.bio-rad-antibodies.com/datasheets)

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