

## Datasheet: AHP081

<b>Description:</b>	SHEEP ANTI HUMAN TRANSFERRIN
<b>Specificity:</b>	TRANSFERRIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	1 ml

## 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
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting			■	
Immunodiffusion	■			Neat
Immunofluorescence	■			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Guinea Pig, Mouse, Rabbit, Rat, Cat Does not react with: Goat, Chicken, Bovine, Pig, Dog, Horse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to human transferrin were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG was prepared by ion exchange chromatography.
<b>Buffer Solution</b>	Glycine buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 0.1% EACA 0.01% Benzamidine 1mM EDTA

**Immunogen** Human holo-transferrin.

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**External Database Links**

**UniProt:**  
[P02787](#) [Related reagents](#)

**Entrez Gene:**  
[7018](#) TF [Related reagents](#)

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**RRID** AB\_322502

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**Specificity**

**Sheep anti Human transferrin antibody** recognizes human transferrin, also known as beta-1 metal-binding globulin siderophilin or serotransferrin. Transferrin is 647 amino acid ~79 kDa iron binding transport glycoprotein involved in iron translocation from sites of degradation to those of storage and utilization.

Mutations in the TF gene can lead to the iron overload disorder Atransferrinemia ([ATRAF](#)) a disease characterized abnormal transferrin production, iron overload and microcytic hypochromic anemia ([Knisely et al. 2004](#)).

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**References**

1. Pak, S.C. *et al.* (1996) Super-CHO-A cell line capable of autocrine growth under fully defined protein-free conditions. [Cytotechnology. 22 \(1-3\): 139-46.](#)
  2. Kwon, E.E. & Prineas, J.W. (1994) Blood-brain barrier abnormalities in longstanding multiple sclerosis lesions. An immunohistochemical study. [J Neuropathol Exp Neurol. 53 \(6\): 625-36.](#)
  3. Sunstrom, N.A. *et al.* (2000) Regulated autocrine growth of CHO cells. [Cytotechnology. 34 \(1-2\): 39-46.](#)
  4. Navarro-garcía, F. *et al.* (2007) Intoxication of epithelial cells by plasmid-encoded toxin requires clathrin-mediated endocytosis. [Microbiology. 153 \(Pt 9\): 2828-38.](#)
  5. Tirosh, B. *et al.* (2009) Transferrin as a luminal target for negatively charged liposomes in the inflamed colonic mucosa. [Mol Pharm. 6 \(4\): 1083-91.](#)
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**Storage**

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10087 available at:  
10087: <https://www.bio-rad-antibodies.com/uploads/MSDS/10087.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

Donkey Anti Sheep IgG (STAR88...) [DyLight@488](#), [FITC](#), [HRP](#)

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