

Datasheet: AHP081

BATCH NUMBER 148554

Description:	SHEEP ANTI HUMAN TRANSFERRIN
Specificity:	TRANSFERRIN
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Guinea Pig, Mouse, Rabbit, Rat, Cat</p> <p>Does not react with: Goat, Chicken, Bovine, Pig, Dog, Horse</p> <p>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.</p>
Product Form	Purified IgG - liquid

Antiserum Preparation Antisera to human transferrin were raised by repeated immunisation of sheep with highly

purified antigen. Purified IgG was prepared by ion exchange chromatography.

Buffer Solution	Glycine buffered saline
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Preservative Stabilisers	0.09% Sodium Azide 0.1% EACA 0.01% Benzamidine 1mM EDTA
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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	<p>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.</p> <p>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).</p>
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References	<ol style="list-style-type: none">1. Pak, S.C. <i>et al.</i> (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. <i>et al.</i> (2000) Regulated autocrine growth of CHO cells. Cytotechnology. 34 (1-2): 39-46.4. Navarro-garcía, F. <i>et al.</i> (2007) Intoxication of epithelial cells by plasmid-encoded toxin requires clathrin-mediated endocytosis. Microbiology. 153 (Pt 9): 2828-38.5. Tirosh, B. <i>et al.</i> (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: https://www.bio-rad-antibodies.com/SDS/AHP081 10087
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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](#)

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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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