

**Datasheet: MCA1908T**

<b>Description:</b>	MOUSE ANTI HUMAN EPITHELIAL MEMBRANE ANTIGEN
<b>Specificity:</b>	EPITHELIAL MEMBRANE ANTIGEN
<b>Other names:</b>	CD227, MUCIN 1
<b>Format:</b>	Concentrate
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	E29
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.1 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

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	■			1/10 - 1/40
Immunohistology - Paraffin	■			1/10 - 1/40

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>Product Form</b>	Tissue Culture Supernatant - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 1% Bovine Serum Albumin
<b>Immunogen</b>	Delipidated extract of human cream
<b>External Database Links</b>	<p><b>UniProt:</b> <a href="#">P15941</a> MUC1_HUMAN</p> <p><b>Entrez Gene:</b> <a href="#">4582</a> MUC1</p>
<b>Synonyms</b>	PUM
<b>Specificity</b>	MCA1908T recognises epithelial membrane antigen (EMA), a heavily glycosylated protein of 265-400kD. This antibody stains normal and neoplastic epithelium including adenocarcinomas from a range of sites, squamous and transitional cell carcinomas and mesotheliomas. Strong staining of glandular epithelium is seen, but staining of squamous epithelium may be rather patchy. Positive staining with this antibody demonstrates epithelial origin of tumours.
<b>Immunohistology</b>	This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

**Histology Positive Control Tissue**      Kidney

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**References**

1. Cordell, J. *et al.* (1985) Production of monoclonal antibodies against human epithelial membrane antigen for use in diagnostic immunocytochemistry. [Br. J. Cancer. 52: 347-54.](#)
2. Gusev, Y. *et al.* (2001) Rolling circle amplification: a new approach to increase sensitivity for immunohistochemistry and flow cytometry. [Am. J. Pathol. 159 \(1\): 63 - 69.](#)
3. ten Berge, R.L. (2001) MUC1 (EMA) is preferentially expressed by ALK positive anaplastic large cell lymphoma, in the normally glycosylated or only partly hypoglycosylated form. [J Clin Pathol. 54: 933-9.](#)
4. Cao, Y. *et al.* (1998) Immunohistochemical characterization of a panel of 56 antibodies with normal human small intestine, colon, and breast tissues. *Tumour Biol.* 19 Suppl 1: 88-99.

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**Storage**

Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. 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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**Shelf Life**      18 months from date of despatch.

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**Health And Safety**      Material Safety Datasheet Documentation #10041 available at:

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**Regulatory**      For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)      [RPE](#)  
HuCAL Anti Mouse IgG2a (HCA037...)      [FITC](#), [HRP](#)  
Goat Anti Mouse IgG (STAR77...)      [HRP](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...)      [FITC](#)  
Rabbit Anti Mouse IgG (STAR12...)      [RPE](#)  
Sheep Anti Mouse IgG (H/L) (AAC10...)      [Biotin](#), [FITC](#)  
Goat Anti Mouse IgG (Fc) (STAR120...)      [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR8...)      [DyLight®800](#)  
Goat Anti Mouse IgG (STAR70...)      [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...)      [Alk. Phos.](#), [DyLight®800](#), [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR13...)      [HRP](#)

## Other formats and applications

This reagent is also available in a [Ready To Use](#) format

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