

## Monoclonal Antibody to CD45 / LCA - Purified

<b>Alternate names:</b>	L-CA, Leukocyte common antigen, PTPRC, Receptor-type tyrosine-protein phosphatase C, T200
<b>Catalog No.:</b>	SM1795PS
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	CD45 is a complex molecule existing in a number of isoforms.
<b>Uniprot ID:</b>	<a href="#">P08575</a>
<b>NCBI:</b>	<a href="#">NP_002829.2</a>
<b>GeneID:</b>	<a href="#">5788</a>
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Clone:</b>	F-10-89-4
<b>Immunogen:</b>	Human T lymphocytes. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS-1 myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid purified IgG <b>Purification:</b> Affinity chromatography on Protein G <b>Buffer System:</b> PBS, pH7.4 containing 0.09% Sodium Azide
<b>Applications:</b>	Flow cytometry: 1/10 - 1/50, use 10 µl of of the suggested working dilution to label 10e6 cells. Immunoprecipitation. Immunohistochemistry on frozen sections: 1/500 - 1/1000. Immunohistochemistry on paraffin sections: 1/100 - 1/200; This product requires antigen retrieval using heat treatment prior to staining of paraffin sections; 1mM EDTA pH8.0 is recommended for this purpose. Recommended positive control tissue: Human tonsil. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises the CD45 cell surface antigen, also known as the leucocyte common antigen. Antibodies recognising a common epitope on all of these isoforms are termed CD45 whilst those recognising only individual isoforms are termed CD45RA or CD45RO etc. Clone F10-89-4 reacts with all forms of CD45 expressed by all haematopoietic cells, except erythrocytes, having a higher level of expression on lymphocytes than on granulocytes. <b>Species:</b> Human. Other species not tested.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)

**Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.

**General References:** 1. Dalchau, R. et al. (1980) Monoclonal antibody to a human leucocyte specific membrane glycoprotein probably homologous to the leucocyte common antigen of the rat. *Eur. J. Immunol.* 10: 737-744.  
2. Quenby, S et al. (1999) Pre-implantation endometrial leukocytes in women with recurrent miscarriage. *Human Reprod.* 14(9):2386-2391.

---

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)