

## Product datasheet for **SM21PT**

### CD45 (PTPRC) Mouse Monoclonal Antibody [Clone ID: F10-89-4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	F10-89-4
Applications:	FC, IHC, IP
Recommended Dilution:	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. Immunoprecipitation. Flow Cytometry: 1/10 - 1/50; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human T lymphocytes
Specificity:	This antibody recognises the CD45 cell surface antigen, also known as the leucocyte common antigen (LCA). 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. This product is routinely tested in flow cytometry on human peripheral blood leucocytes
Formulation:	Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.



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<b>Gene Name:</b>	protein tyrosine phosphatase, receptor type C
<b>Database Link:</b>	<a href="#">Entrez Gene 5788 Human P08575</a>
<b>Background:</b>	CD45 is a complex molecule existing in a number of isoforms. 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.
<b>Synonyms:</b>	PTPRC, Leukocyte common antigen, L-CA, T200