

Product datasheet for **SM1795BT**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	F10-89-4
Applications:	FC
Recommended Dilution:	Flow Cytometry: This product is routinely tested on human peripheral blood leucocytes.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human T lymphocytes. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS-1 myeloma cell line.
Specificity:	This antibody recognises the CD45 cell surface antigen, also known as the leucocyte common antigen (LCA). 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 <i>F10-89-4</i> reacts with all forms of CD45 expressed by all haematopoietic cells, except erythrocytes, having a higher level of expression on lymphocytes than on granulocytes.
Formulation:	PBS, pH 7.4 Label: Biotin State: Liquid purified IgG fraction Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Biotin
Storage:	Store 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.
Gene Name:	protein tyrosine phosphatase, receptor type C



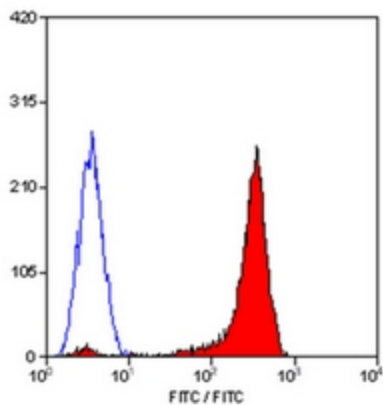
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Database Link: [Entrez Gene 5788 Human P08575](#)

Background: CD45 is a complex molecule existing in a number of isoforms.

Synonyms: PTPRC, Leukocyte common antigen, L-CA, T200

Product images:



Staining of human peripheral blood lymphocytes with Mouse anti Human CD45 Antibody -Biotin conjugated (Clone F10-89-4)