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Product datasheet for SM1795APC

CD45 (PTPRC) Mouse Monoclonal Antibody [Clone ID: F-10-89-4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	F-10-89-4
Applications:	FC
Recommended Dilution:	Flow cytometry: Use 10 ul of neat antibody to label 10e6 cells or 100ul whole blood.
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 NS1 myeloma cell line.
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:	PBS, pH 7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: APC State: Lyophilized purified IgG Label: Allophycocyanin
Purification:	Affinity chromatography
Conjugation:	APC
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	protein tyrosine phosphatase, receptor type C
Database Link:	Entrez Gene 5788 Human P08575

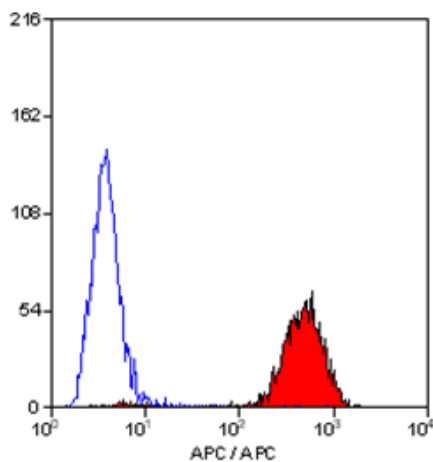**Background:** CD45 is a complex molecule existing in a number of isoforms.
Antibodies recognising a common epitope on all of these isoforms are termed CD45 whilst those recognising only individual isoforms are termed CD45RA or CD45RO etc.

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

Product images:

Staining of human peripheral blood lymphocytes with Mouse anti Human CD45:APC (SM1795APC)