

Anti-human CD45 mAb

Catalog No: #CM100

Package Size: #CM100 25ug

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Description

Product Name	Anti-human CD45 mAb
Host Species	Mouse
Clonality	Monoclonal
Clone No.	4B9
Isotype	Mouse IgG2a α O k
Applications	FC
Species Reactivity	Hu
Immunogen Description	Activated human peripheral blood T cells
Formulation	Lyophilized from a 0.2 $\times$ Om filtered solution in phosphate buffered saline (PBS) and reconstitute with sterile PBS .
Storage	Store protected from light at 2-8°C. Do not freeze. The expiration date is indicated on the vial label.

Product Description

Protein tyrosine phosphatase, receptor type C (CD45), also known as PTPRC is a member of the protein tyrosine phosphatase (PTP) family which is known for its function to serve as signaling molecules and to regulate a variety of cellular processes such as cell proliferation, differentiation, mitotic cycle and oncogenic transformation. CD45 is found to be expressed specifically in hemotopietic cells. CD45 consists of an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains. It serves as an essential regulator of T-cell and B-cell antigen receptor signaling through either direct interaction with components of the antigen receptor complexes or by activating various Src family kinases required for the antigen receptor signaling and it also can suppress JAK kinases.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.