CD45 Antibody SPM569 + SPM570 FITC Conjugate [clone SPM569 + SPM570] (V2402FITC)

Catalog No.	Formulation	Size
V2402FITC-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	FITC Conjugate
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa + Mouse IgG1, kappa
Clone Name	SPM569 + SPM570
Purity	Protein G affinity chromatography
UniProt	P08575
Localization	Cell surface, cytoplasmic
Applications	Flow cytometry: 5ul/test/10^6 cells in 0.1ml
Limitations	This CD45 Antibody SPM569 + SPM570 FITC Conjugate is available for research use only.



Description

CD45 Antibody SPM569 + SPM570 FITC Conjugate recognizes the CD45 leukocyte common antigen (LCA) family which is comprised of at least four isoforms of membrane glycoproteins (220, 205, 190, 180kDa) expressed on hematopoietic cell lines but absent on non-hematopoietic cell lines, normal and malignant non-hematopoietic tissues. The intracellular portions of these molecules have protein phosphatase activity and are involved in regulation of transmembrane signals.

Antibody to CD45 is useful in differential diagnosis of lymphoid tumors from non-hematopoietic undifferentiated neoplasms. A positive result with this MAb is highly indicative of lymphoid or myeloid origin. Certain types of lymphoid neoplasms may lack CD45 (Hodgkin lymphoma, some T-cell lymphomas, and some leukemias) so its absence does not rule out a hematolymphoid tumor. This antibody is expressed almost exclusively by cells of hematopoietic lineage and is present in most benign and malignant lymphocytes as well as plasma cell precursors.

CD45 is encoded by PTPRC and functions as a key regulator of leukocyte signaling and hematopoietic cell biology; additional reagents targeting this protein are available on the CD45 Antibody page.

Application Notes

Optimal dilution of the CD45 Antibody SPM569 + SPM570 FITC Conjugate should be determined by the researcher.

Immunogen

Human B- and T-lymphoma cells were used as the immunogen for this antibody cocktail.

Storage

Store the CD45 antibody at 2-8oC, protected from light.

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