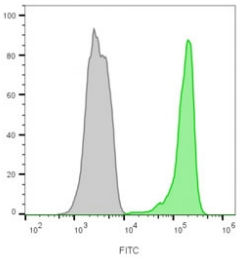
CD45 Antibody Cocktail [clone 2B11 + PD7/26] (V2243FITC)

Catalog No.	Formulation	Size
V2243FITC-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	CF488 Conjugate
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa + Mouse IgG1, kappa
Clone Name	2B11 + PD7/26
Purity	Protein G affinity chromatography
UniProt	P08575
Localization	Cell surface, cytoplasmic
Applications	Flow Cytometry : 5ul/test/10^6 cells
Limitations	This CD45 antibody is available for research use only.



Flow cytometry testing of lymphocyte-gated human PBM cells with CF488-labeled CD45 antibody cocktail (clone 2B11, green), and unstained cells (gray).

Description

CD45 antibody FITC conjugate clones 2B11 + PD7/26 combine the specificity of these monoclonal antibodies with direct labeling by fluorescein isothiocyanate, producing bright green fluorescence. This dual clone formulation ensures broad recognition of CD45 isoforms across lymphoid and myeloid lineages, while the FITC conjugation enables direct fluorescence based detection without the need for secondary antibodies. NSJ Bioreagents supplies this FITC conjugated antibody for efficient and reproducible analysis of leukocytes in research and diagnostic settings.

CD45 antibody FITC conjugate clones 2B11 + PD7/26 are particularly valuable in multiparameter flow based studies,

where they provide clear green fluorescence for identifying leukocyte populations. By recognizing multiple isoforms, they ensure comprehensive detection across T cells, B cells, monocytes, granulocytes, and natural killer cells. This makes them indispensable in profiling immune responses and monitoring hematopoietic development.

In pathology, CD45 antibody FITC conjugate clones 2B11 + PD7/26 are used to confirm hematopoietic origin of tumor cells and to classify lymphomas and leukemias. Their strong, specific fluorescence output ensures accurate interpretation even in complex tissue or cell samples.

In immunology and transplantation research, this conjugated antibody enables rapid tracking of immune cell populations, supporting studies of graft rejection, immune reconstitution, and therapeutic interventions. Researchers studying autoimmune disease, infection, and immunotherapy also rely on clone combinations such as 2B11 + PD7/26 to broadly characterize leukocyte activity.

Technically, the FITC conjugation provides strong green fluorescence with reliable photostability. Direct labeling simplifies workflows, reduces assay time, and minimizes background associated with secondary reagents. The dual clone formulation further enhances coverage across CD45 isoforms, ensuring high sensitivity across leukocyte subsets.

CD45 antibody FITC conjugate clones 2B11 + PD7/26 have been validated for use in fluorescence based studies and have an extensive citation record supporting their role in immunology and pathology. Alternate names include leukocyte common antigen antibody FITC conjugate, protein tyrosine phosphatase receptor type C antibody FITC, and hematopoietic marker CD45 antibody FITC.

Application Notes

Optimal dilution of the CD45 antibody should be determined by the researcher.

Immunogen

Isolated neoplastic cells from T cell lymphoma were used as the immunogen for clone 2B11 and human peripheral blood lymphocytes maintained in Tcell growth factor were used as the immunogen for clone PD7/26.

Storage

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