

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD4 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 11830
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Recombinant Human CD4. Extracellular Domain Accession # P01730
Conjugate	mFluor™ Violet 500 Excitation Wavelength: 410 nm Emission Wavelength: 501 nm

Formulation Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.

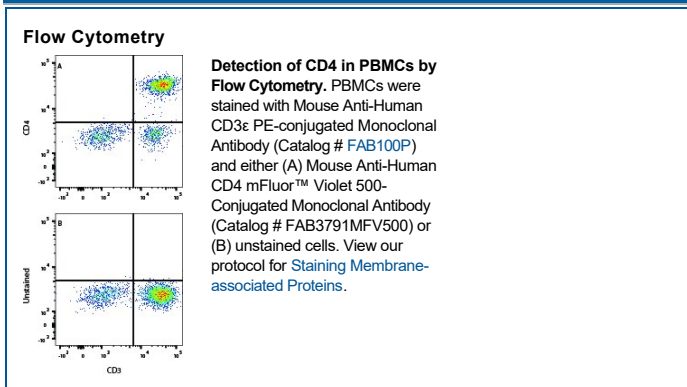
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Flow Cytometry	5 µL/10 ⁶ cells	PBMCs with CD3 costain

DATA



PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

CD4 is a type I membrane glycoprotein belonging to the immunoglobulin superfamily. It is expressed predominantly on thymocytes and a subset of mature T lymphocytes. CD4 functions in collaboration with the T cell receptor in the recognition of peptide antigens that are presented by class II major histocompatibility complexes. CD4 also has been shown to be a coreceptor of HIV entry and specifically binds gp120, the external envelope glycoprotein of HIV.

PRODUCT SPECIFIC NOTICES

mFluor™ is a trademark of AAT Bioquest, Inc.