

DESCRIPTION

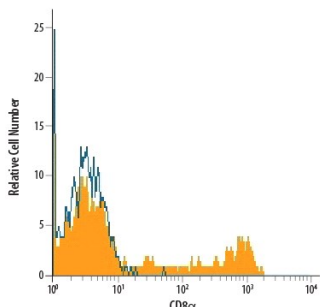
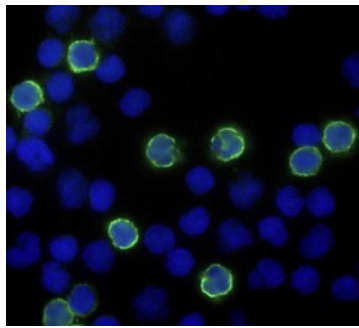
Species Reactivity	Human
Specificity	Detects human CD8 α in direct ELISAs. In direct ELISAs, no cross-reactivity with mouse CD8 α is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 37006
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CD8 α Ser22-Val198 Accession # NP_741969
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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 μ L/10 ⁶ cells	See Below
Immunocytochemistry	8-25 μ g/mL	See Below

DATA

Flow Cytometry	Immunocytochemistry
 <p>Detection of CD8α in Human Blood Lymphocytes by Flow Cytometry. Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD8α Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # FAB1509G, filled histogram) or isotype control antibody (Catalog # IC003G, open histogram). View our protocol for Staining Membrane-associated Proteins.</p>	 <p>CD8α in Human PBMCs. CD8α was detected in immersion fixed human peripheral blood mononuclear cells (PBMCs) using Mouse Anti-Human CD8α Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # FAB1509G; green) at 10 μg/mL for 3 hours at room temperature. Cells were counterstained with DAPI (blue). Specific staining was localized to cell surfaces. View our protocol for Fluorescent ICC Staining of Non-adherent Cells.</p>

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage **Protect from light. Do not freeze.**

- 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

CD8 is a heterodimeric glycoprotein consisting of an α and β chain. It is expressed on cytolytic T cells and functions in conjunction with the T cell receptor in the recognition of MHC/peptide complexes.

PRODUCT SPECIFIC NOTICES

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