

## DESCRIPTION

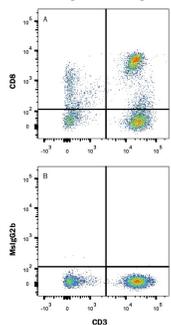
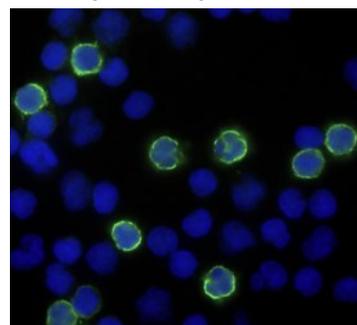
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CD8 $\alpha$ in direct ELISAs. In direct ELISAs, no cross-reactivity with mouse CD8 $\alpha$ is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 37006
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human CD8 $\alpha$ Ser22-Val198 Accession # NP_741969
<b>Conjugate</b>	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	5 $\mu$ L/10 <sup>6</sup> cells	See Below
<b>Immunocytochemistry</b>	8-25 $\mu$ g/mL	See Below

## DATA

<b>Flow Cytometry</b>	<b>Immunocytochemistry</b>
 <p><b>Detection of CD8<math>\alpha</math> in Human Blood Lymphocytes by Flow Cytometry.</b> Human peripheral blood lymphocytes were stained with (A) Mouse Anti-Human CD8<math>\alpha</math> Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # FAB1509G) or (B) Mouse IgG<sub>2B</sub> isotype control antibody (Catalog # IC003G) and Mouse Anti-Human CD3<math>\epsilon</math> APC-conjugated Monoclonal Antibody (Catalog # FAB100A). View our protocol for <a href="#">Staining Membrane-associated Proteins</a>.</p>	 <p><b>CD8<math>\alpha</math> in Human PBMCs.</b> CD8<math>\alpha</math> was detected in immersion fixed human peripheral blood mononuclear cells (PBMCs) using Mouse Anti-Human CD8<math>\alpha</math> Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # FAB1509G; green) at 10 <math>\mu</math>g/mL for 3 hours at room temperature. Cells were counterstained with DAPI (blue). Specific staining was localized to cell surfaces. View our protocol for <a href="#">Fluorescent ICC Staining of Non-adherent Cells</a>.</p>

## PREPARATION AND STORAGE

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

## BACKGROUND

CD8 is a heterodimeric glycoprotein consisting of an  $\alpha$  and  $\beta$  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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