

Datasheet for ABIN543458  
**anti-CD8 alpha antibody (C-Term)**

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## Overview

Quantity:	400 µL
Target:	CD8 alpha (CD8A)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD8 alpha antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of CD8A.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human CD8A.
Cross-Reactivity:	Human

## Target Details

Target:	CD8 alpha (CD8A)
Alternative Name:	CD8A ( <a href="#">CD8A Products</a> )
Gene ID:	925
Pathways:	<a href="#">TCR Signaling</a>

## Application Details

Application Notes:	Western Blot (1:1000) Immunohistochemistry (1:10-50) Flow cytometry (1:10-50) The optimal working dilution should be determined by the end user.
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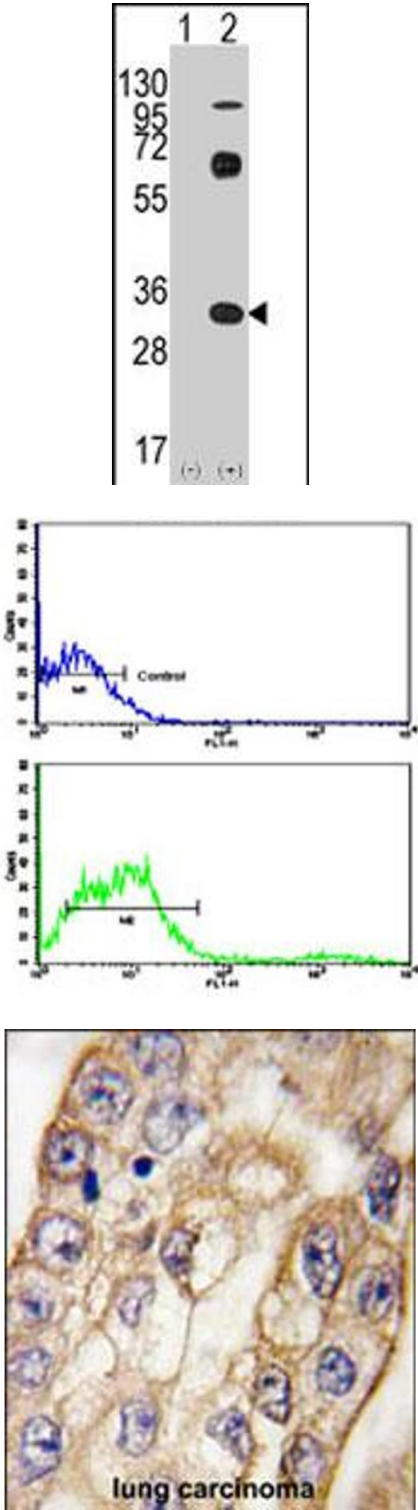
Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Buffer:	In PBS (0.09 % sodium azide)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

## Publications

Product cited in:	<p>Mancebo, Moreno-Pelayo, Mencía, de la Calle-Martín, Allende, Sivadorai, Kalaydjieva, Bertranpetit, Coto, Calleja-Antolín, Ruiz-Contreras, Paz-Artal: "Gly111Ser mutation in CD8A gene causing CD8 immunodeficiency is found in Spanish Gypsies." in: <b>Molecular immunology</b>, Vol. 45, Issue 2, pp. 479-84, (2007) (<a href="#">PubMed</a>).</p> <p>Borchers, Wesselkamper, Harris, Deshmukh, Beckman, Vitucci, Tichelaar, Leikauf: "CD8+ T cells contribute to macrophage accumulation and airspace enlargement following repeated irritant exposure." in: <b>Experimental and molecular pathology</b>, Vol. 83, Issue 3, pp. 301-10, (2007) (<a href="#">PubMed</a>).</p> <p>Zhou, Wang, Zhu, You, Zou: "CD8+FOXP3+T cells from renal transplant recipients in quiescence induce immunoglobulin-like transcripts-3 and -4 on dendritic cells from their respective donors." in: <b>Transplantation proceedings</b>, Vol. 39, Issue 10, pp. 3065-7, (2007) (<a href="#">PubMed</a>).</p>
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Western Blotting

**Image 1.** Western blot analysis of CD8A (arrow) using rabbit CD8A polyclonal antibody . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CD8A gene (Lane 2) (Origene Technologies).

Flow Cytometry

**Image 2.** Flow cytometric analysis of NCI-H292 cells using CD8A polyclonal antibody (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry

**Image 3.** Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with CD8A polyclonal antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated.