# Anti-CD8A Antibody (Clone#OTI7C10)

**Catalog Number: *MA02236***

BOSTER
antibody and ELISA experts
**BOSTER BIOLOGICAL TECHNOLOGY**
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
***Web:*** www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

## Basic Information

| | |
|---|---|
| **Product Name** | Anti-CD8A Antibody (Clone#OTI7C10) |
| **Gene Name** | CD8A |
| **Source** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1 |
| **Species Reactivity** | human |
| **Tested Application** | IHC, FCM, WB |
| **Contents** | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Immunogen** | Human recombinant protein fragment corresponding to amino acids 22-182 of human CD8A (NP_001759) produced in E.coli. |
| **Concentration** | 500 ug/ml |
| **Purification** | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| **Observed MW** | 23.5 kDa |
| **Dilution Ratios** | Western blot (WB): 1:2000<br>Immunohistochemistry (IHC):1:150<br>Flow Cytometry (FCM): 1:25 |

## Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

## Background Information

The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]

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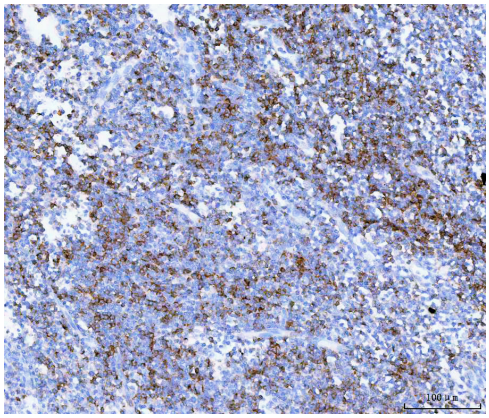
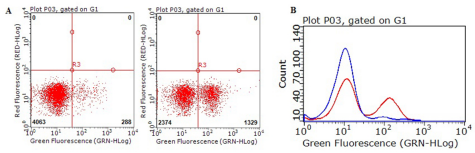
## Selected Validation Data



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-CD8A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, MA02236)




Flow cytometric Analysis of living human peripheral blood cells, using anti-CD8A antibody, compared to an IgG isotype control (A.left, B.blue) (1:25).

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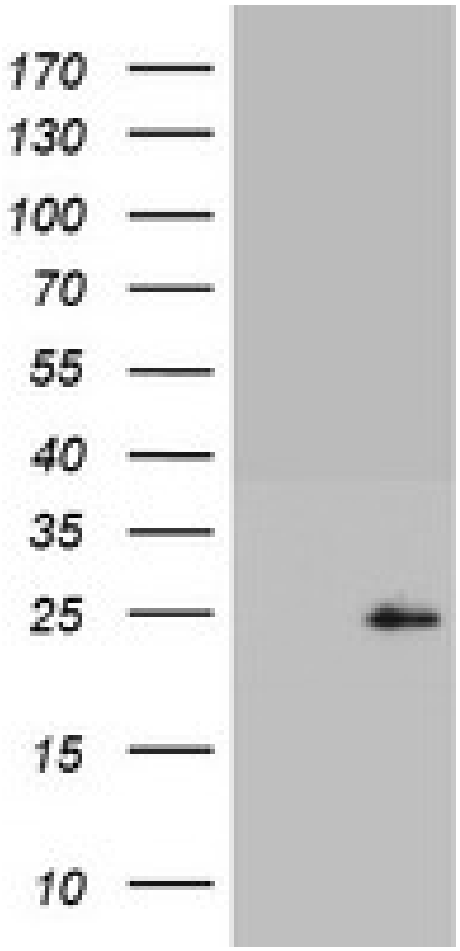


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD8A (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD8A.