

Datasheet for ABIN6941073
anti-CD8 alpha antibody

4 Images

[Go to Product page](#)

Overview

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| Quantity: | 100 µg |
| Target: | CD8 alpha (CD8A) |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This CD8 alpha antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Staining Methods (StM), Immunostaining (ISt) |

Product Details

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| Immunogen: | Human CD8 recombinant protein |
| Clone: | C8-468 |
| Isotype: | IgG1 kappa |
| Purification: | Purified by Protein A/G |

Target Details

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| Target: | CD8 alpha (CD8A) |
| Alternative Name: | CD8A (CD8A Products) |
| Background: | CD8 is a cell surface receptor expressed either as a heterodimer with the CD8 beta chain (CD8 alpha/beta) or as a homodimer (CD8 alpha/alpha). A majority of thymocytes and a subpopulation of mature T cells and NK cells express CD8a. CD8 binds to MHC class 1 and through its association with protein tyrosine kinase p56lck plays a role in T cell development |

Target Details

and activation of mature T cells. For mature T-cells, CD4 and CD8 are mutually exclusive, so anti-CD8, generally used in conjunction with anti-CD4. It is a useful marker for distinguishing helper/inducer T-lymphocytes, and most peripheral T-cell lymphomas are CD4+/CD8-. Anaplastic large cell lymphoma is usually CD4+ and CD8-, and in T-lymphoblastic lymphoma/leukemia, CD4 and CD8 are often co-expressed. CD8 is also found in littoral cell angioma of the spleen.

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| Molecular Weight: | 32kDa |
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| Gene ID: | 925 |
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| UniProt: | P01732 |
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| Pathways: | TCR Signaling |
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Application Details

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| Application Notes: | Positive Control: HuT78 or hPBL. Tonsil. Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0 for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined. |
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| Restrictions: | For Research Use only |
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Handling

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| Concentration: | 200 µg/mL |
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| Buffer: | 10 mM PBS with 0.05 % BSA & 0.05 % azide. |
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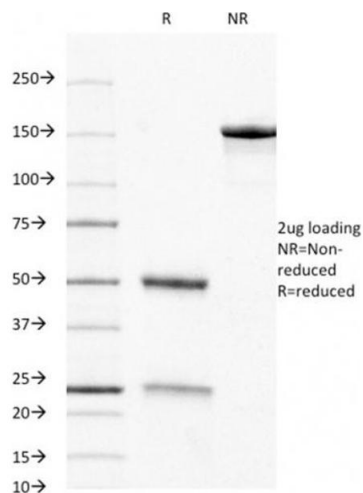
| | |
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| Preservative: | Sodium azide |
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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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| Storage: | 4 °C,-80 °C |
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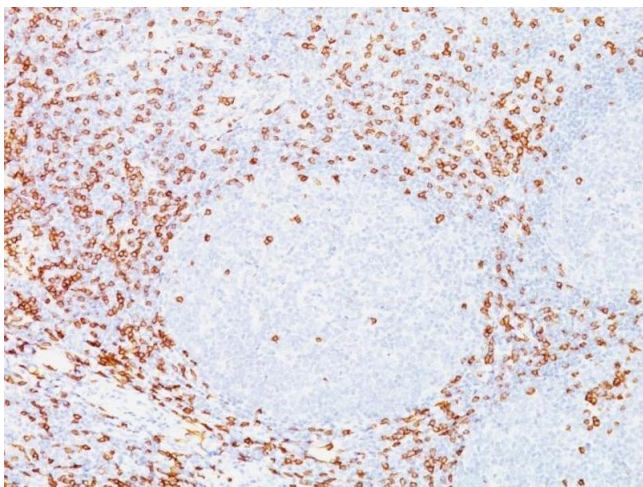
| | |
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| Storage Comment: | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required. |
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| Expiry Date: | 24 months |
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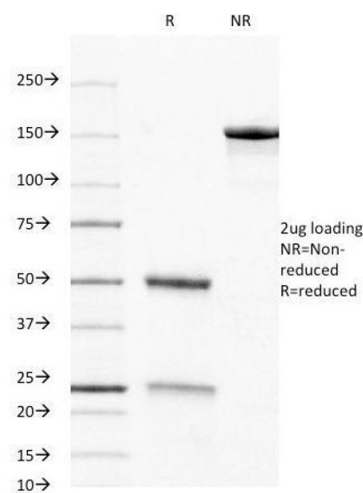
Western Blotting

Image 1. SDS-PAGE Analysis Purified CD8 Mouse Monoclonal Antibody (C8/468). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Tonsil stained with CD8 Mouse Monoclonal Antibody (C8/468).



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified CD8 Mouse Monoclonal Antibody (C8/468). Confirmation of Integrity and Purity of Antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6941073.