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Datasheet for ABIN6941035

Recombinant anti-CD3 epsilon antibody (AA 23-119)

4 Images

Overview

Quantity:	100 µg
Target:	CD3 epsilon (CD3E)
Binding Specificity:	AA 23-119
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD3 epsilon antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Coating (Coat), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human CD3e fragment (around aa 23-119) (exact sequence is proprietary)
Clone:	C3e-3125R
Isotype:	IgG
Specificity:	Recognizes the epsilon-chain of CD3, which consists of five different polypeptide chains (designated as gamma, delta, epsilon, zeta, and eta) with MW ranging from 16-28 kDa. The CD3 complex is closely associated at the lymphocyte cell surface with the T cell antigen receptor (TCR). Reportedly, CD3 complex is involved in signal transduction to the T cell interior following antigen recognition. The CD3 antigen is first detectable in early thymocytes and probably represents one of the earliest signs of commitment to the T cell lineage. In cortical thymocytes,

Product Details

CD3 is predominantly intra-cytoplasmic. However, in medullary thymocytes, it appears on the T cell surface. CD3 antigen is a highly specific marker for T cells, and is present in majority of T cell neoplasms.

Purification: Purified by Protein A/G

Target Details

Target: CD3 epsilon (CD3E)

Alternative Name: CD3E ([CD3E Products](#))

Molecular Weight: 20-25kDa

Gene ID: 916

UniProt: [P07766](#)

Pathways: [TCR Signaling](#), [CXCR4-mediated Signaling Events](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Application Notes: Positive Control: Jurkat and MOLT-4 cells. Tonsil or lymph node.
Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris buffer 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.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % 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.

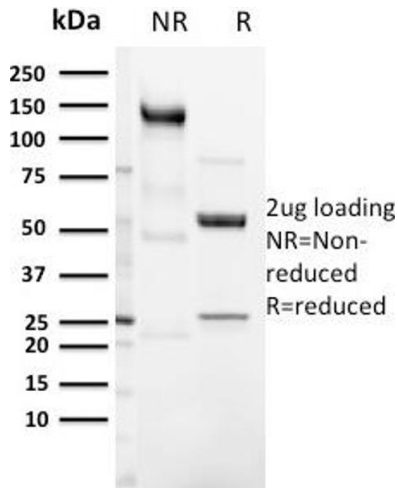
Storage: 4 °C, -80 °C

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.

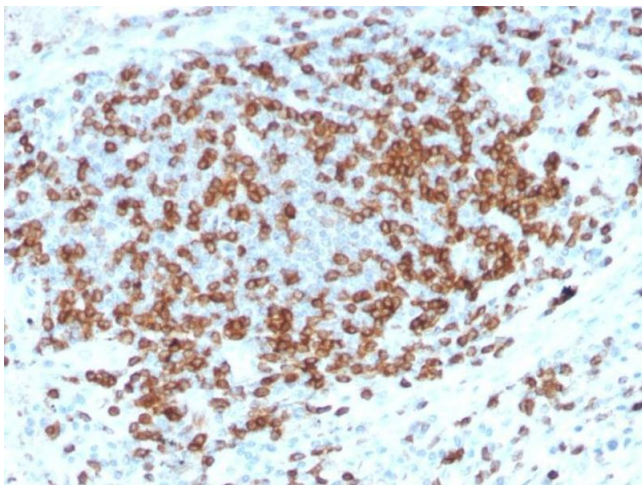
Expiry Date: 24 months

Images



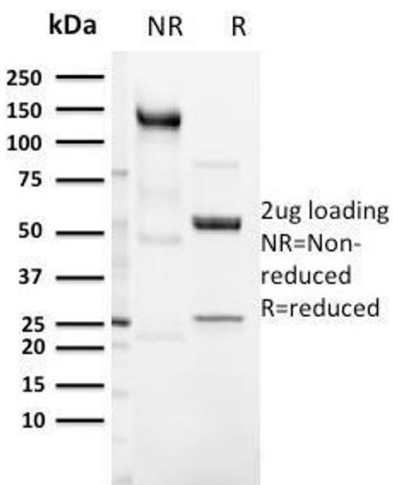
Western Blotting

Image 1. SDS-PAGE Analysis Purified CD3e Rabbit Recombinant Monoclonal Antibody (C3e/3125R). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Tonsil stained with CD3e Rabbit Recombinant Monoclonal Antibody (C3e/3125R).



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified CD3e Rabbit Recombinant Monoclonal Antibody (C3e/3125R). Confirmation of Integrity and Purity of Antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6941035.