

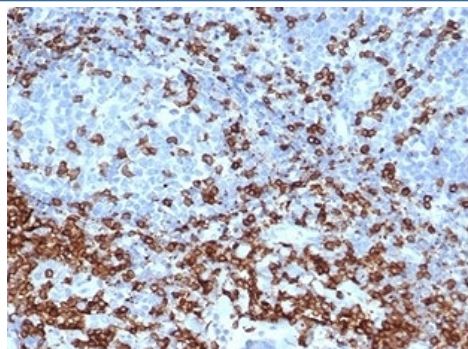
## Recombinant CD3e Antibody / CD3 epsilon [clone C3e/4652R] (V9459)

Catalog No.	Formulation	Size
V9459-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9459-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9459SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

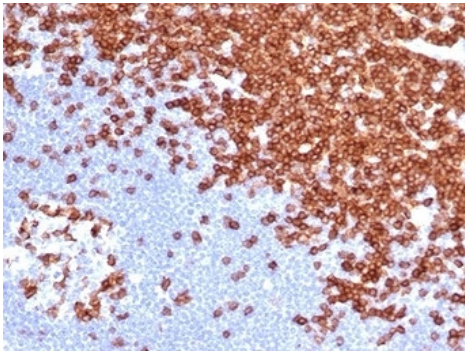
Recombinant **RABBIT MONOCLONAL**

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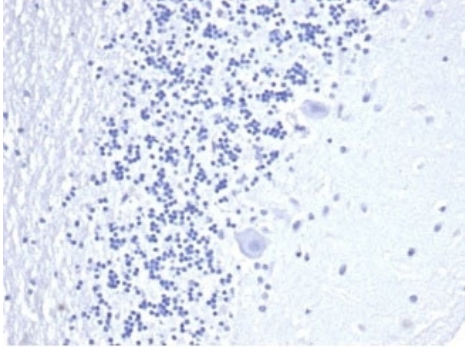
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	C3e/4652R
Purity	Protein A/G affinity
UniProt	P07766
Localization	Cell surface, Cytoplasm
Applications	ELISA : 2-4ug/ml (order BSA-free format for coating) Western blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant CD3e antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with recombinant CD3e antibody (clone C3e/4652R) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lymph node tissue with recombinant CD3e antibody (clone C3e/4652R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Negative control: IHC staining of FFPE human brain tissue using recombinant CD3e antibody (clone C3e/4652R) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of human Jurkat cell lysate using recombinant CD3e antibody (clone C3e/4652R). Predicted molecular weight ~23 kDa.

## Description

CD3 consists of five different polypeptide chains (designated as gamma, delta, epsilon, zeta, and eta) with MW ranging from 16-28kDa. 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, 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.

## Application Notes

Optimal dilution of the recombinant CD3e antibody should be determined by the researcher.

## Immunogen

A portion of amino acids aa 20-40 from the human protein was used as the immunogen for the recombinant CD3e antibody.

## Storage

Aliquot the recombinant CD3e antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

