

For Research Use Only

CD3 Recombinant antibody, PBS Only



Catalog Number: 81324-1-PBS

Featured Product

Basic Information

Catalog Number:

81324-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11797

GenBank Accession Number:

BC049847

GeneID (NCBI):

916

ENSEMBL Gene ID:

ENSG00000198851

UNIPROT ID:

P07766

Full Name:

CD3e molecule, epsilon (CD3-TCR complex)

Calculated MW:

207 aa, 23 kDa

Observed MW:

23-25 kDa

Purification Method:

Protein A purification

CloneNo.:

419

Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

Human, Pig, Mouse, Rat

Background Information

CD3 is a complex of proteins that directly associates with the T cell receptor (TCR). The TCR/CD3 complex of T-lymphocytes consists of either a TCR alpha/beta or TCR gamma/delta heterodimer coexpressed at the cell surface with the invariant subunits of CD3 labeled gamma, delta, epsilon, zeta, and eta. The TCR recognizes antigens bound to major histocompatibility complex (MHC) molecules. TCR-mediated peptide-MHC recognition is transmitted to the CD3 complex, leading to the intracellular signal transduction. CD3 is considered to be a pan-T cell marker for detection of normal and neoplastic T cells. This anti-CD3 is a monoclonal antibody directed against the epsilon chain of human CD3 molecule.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

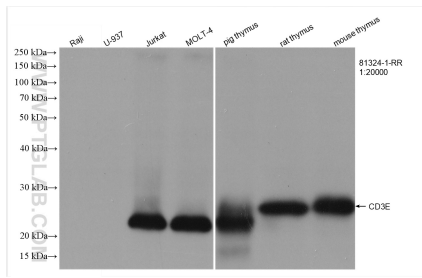
T: 4006900926

E: Proteintech-CN@ptglab.com

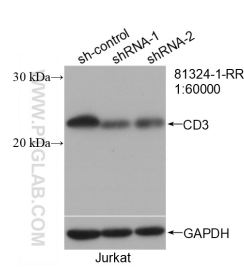
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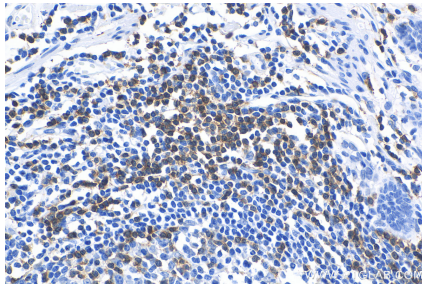
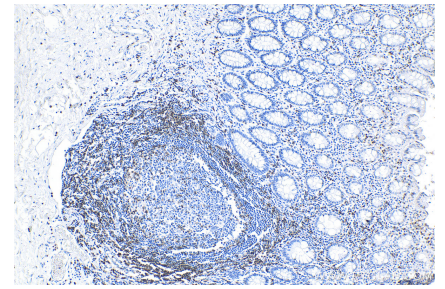
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81324-1-RR (CD3E antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81324-1-PBS in a different storage buffer formulation.



WB result of CD3 antibody (81324-1-RR; 1:60000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CD3 transfected Jurkat cells. This data was developed using the same antibody clone with 81324-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 81324-1-RR (CD3 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81324-1-PBS in a different storage buffer formulation.