

For Research Use Only

TCR α/β Recombinant monoclonal antibody, PBS Only

Catalog Number: 87509-1-PBS



Basic Information

Catalog Number:

87509-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG9184

GenBank Accession Number:

GeneID (NCBI):

Full Name:

Observed MW:

35 kDa

Purification Method:

Protein A purification

CloneNo.:

252782H5

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, rat

Background Information

TCR α/β (T-cell receptor α/β heterodimer) is a core molecule of the adaptive immune system, formed by the disulfide bond linkage of α and β transmembrane polypeptide chains. It is present on the surface of most mature T cells and non-covalently associates with the CD3 complex to form the complete T-cell receptor (TCR-CD3 complex). Its primary function is to recognize antigen peptides presented by major histocompatibility complex (MHC) molecules. The genes encoding TCR α/β undergo V(D)J recombination, generating an extraordinarily high degree of diversity, enabling the immune system to recognize a vast array of antigens. TCR α/β plays a decisive role in T-cell development, activation, clonal selection, and immune responses, making it a fundamental target in immunology research and a key molecule in tumor immunotherapy, such as TCR-T therapy.

Storage

Storage:

Store at -80°C .

Storage Buffer:

PBS only, pH7.3

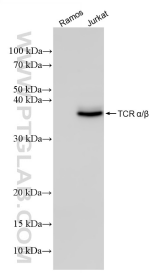
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

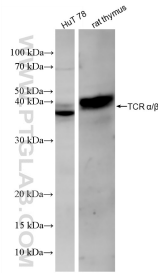
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

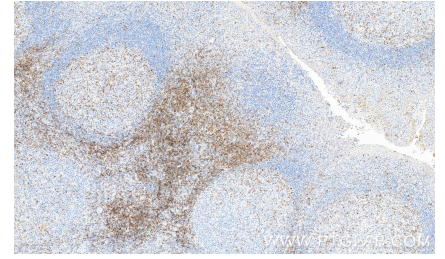
Selected Validation Data



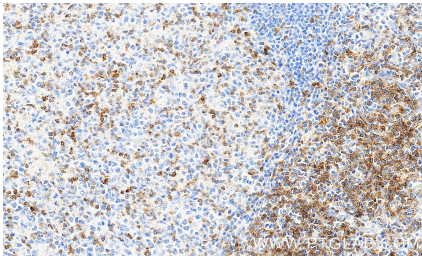
Various lysates were subjected to SDS PAGE followed by western blot with 87509-1-RR (TCR α/β antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87509-1-PBS in a different storage buffer formulation.



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Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 87509-1-RR (TCR α/β antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87509-1-PBS in a different storage buffer formulation.



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