

For Research Use Only

TCR α / β Recombinant monoclonal antibody, PBS Only

Catalog Number:87509-1-PBS



Basic Information

Catalog Number:

87509-1-PBS

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

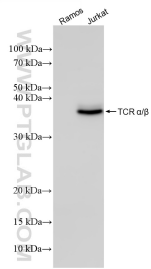
T: 4006900926

E: Proteintech-CN@ptglab.com

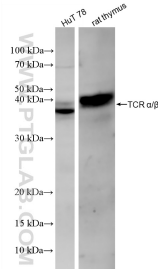
W: ptgcn.com

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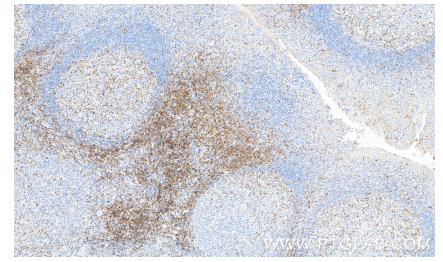
Selected Validation Data



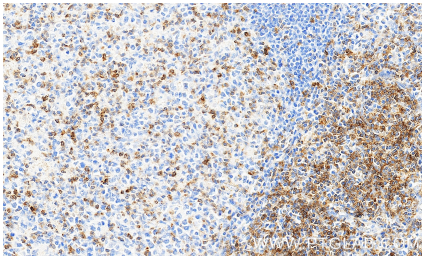
Various lysates were subjected to SDS PAGE followed by western blot with 87509-1-RR (TCR α / β antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87509-1-PBS in a different storage buffer formulation.



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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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