

Recombinant CD3D / T Cell Receptor delta Antibody

Rabbit Monoclonal Antibody [Clone CD3D/13089R]

Catalog No	Format	Size
915-RBM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
915-RBM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
915-RBM4-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

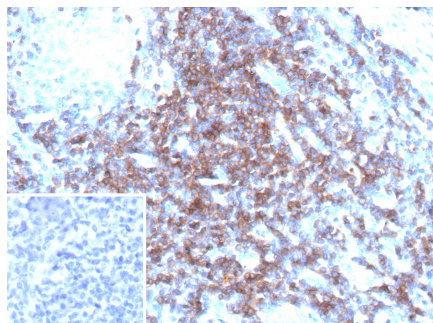
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

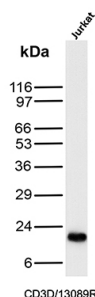
Clone	CD3D/13089R
Immunogen	Recombinant fragment (around aa157-171) of the human CD3D protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	18.93kDa
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	Human peripheral blood. Jurkat cells. Tonsil or lymph node. MOLT-4.

*Optimal dilution for a specific application should be determined.

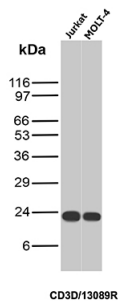
Product Images for Recombinant CD3D / T Cell Receptor delta Antibody



Formalin-fixed, paraffin-embedded human tonsil stained with T Cell Receptor delta Recombinant Rabbit Monoclonal Antibody (CD3D/13089R). Inset: PBS instead of primary antibody; secondary only negative control.



Western blot analysis of Jurkat cell lysate using CD3D Rabbit Recombinant Monoclonal Antibody (CD3D/13089R).



CD3D/13089R

Western Blot analysis of Jurkat and MOLT-4 cell lysates using CD3D Recombinant Rabbit Monoclonal Antibody (CD3D/13089R).

Specificity & Comments

The T cell antigen receptor (TCR) recognizes foreign antigens and translates such recognition events into intracellular signals that elicit a change in the cell from a dormant to an activated state. Much of this signaling process can be attributed to a multisubunit complex of proteins that associates directly with the TCR. This complex has been designated CD3 (cluster of differentiation 3). It is composed of five invariant polypeptide chains that associate to form three dimers: a heterodimer of g and e chains (ge), a heterodimer of d and e chains (de) and a homodimer of two z chains (zz) or a heterodimer of z and h chains (zh). The z and h chains are encoded by the same gene but differ in their carboxyl-terminal ends due to an alternative splicing event. The g, e and d chains each contain a single copy of a conserved immunoreceptor tyrosine-based activation motif (ITAM). In contrast, the z chain contains three consecutive copies of the same motif. Phosphorylated ITAMs act as docking sites for protein kinases such as ZAP-70 and Syk and are also capable of regulating their kinase activity. The crystal structure of the ZAP-70 SH2 domains bound to the z chain ITAMs has been solved.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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.