

anti-CD3 ϵ

Cat #: HM1072
Rabbit polyclonal IgG
0.2 $\mu\text{g}/\mu\text{l}$, store at 4 °C

For research use only

BACKGROUND

The T cell antigen receptor recognizes foreign antigens and generates intracellular signals that change the cell from a dormant to an activated state. T cell antigen receptor (TCR) is associated on the T cell surface with a complex of protein called CD3 (Cluster of Differentiation 3). CD3 ϵ is one of the four peptides (gamma, delta, epsilon and zeta) that form CD3. The gamma, epsilon and delta chains each contain a single copy of a conserved immuno receptor tyrosine based activation motif (ITAM). Phosphorylated ITAMs act as docking sites for protein kinases such as ZAP-70 and Syk and are also capable of regulating their kinase activity.

SPECIFICITY

This antibody reacts with CD3- ϵ of mouse, rat and human origin by Western blotting, immunoprecipitation and immunohistochemistry (including paraffin-embedded sections).

Molecular Weight of CD3- ϵ : 23 kDa. Western blotting positive control: Jurkat cell lysate.

IMMUNOGEN

A peptide at the carboxy terminus of the mouse CD3- ϵ subunit.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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