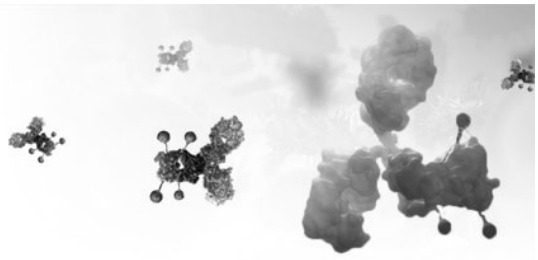

Rabbit Anti-Human CD3D monoclonal antibody, clone KK19-08 (DCABH-231)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	CD3D
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KK19-08
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC, IHC, IP, FC
Molecular Weight	19 kDa
Cellular Localization	Membrane.
Positive Control	Jurkat, A431, Hela, SW480, human tonsil tissue, human spleen tissue, human kidney tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

45-1 Ramsey Road, Shirley, NY 11967, USA
Email:info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Warnings	For research use only

BACKGROUND

Introduction	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 gamma and epsilon chains (γε), a heterodimer of delta and epsilon chains (δε) and a homodimer of two zeta chains (ΩΩ) or a heterodimer of zeta and eta chains (Ωh). The Ω and h chains are encoded by the same gene but differ in their carboxyl-terminal ends due to an alternative splicing event. The γ, ε and δ chains each contain a single copy of a conserved immunoreceptor tyrosine-based activation motif (ITAM). In contrast, the Ω 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 Ω chain ITAMs has been solved.
Keywords	CD3 antigen delta subunit;CD3 delta;CD3d;CD3d antigen delta polypeptide (TiT3 complex);CD3d molecule delta (CD3-TCR complex);CD3D_HUMAN;IMD19;OKT3 delta chain;T cell receptor T3 delta chain;T-cell receptor T3 delta chain;T-cell surface glycoprotein CD3 delta chain;T3D antibody

GENE INFORMATION

Entrez Gene ID	915
UniProt ID	B0YIY4

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