



Rat Anti-Human CD3ε monoclonal antibody, clone DE4-23 (DCABH-315)

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

PRODUCT INFORMATION

Specificity	This clone has been specifically raised against an epitope within the epsilon peptide chain, highly conserved among species clone DE4-23 has a very broad species crossreactivity for the CD3 marker.
Target	This clone was raised against a peptide representing an invariant cytoplasmic sequence within the CD3ε chain recognizes human CD3ε. It recognizes human CD3ε, and has a very broad species crossreactivity for the CD3 marker.
Immunogen	Synthetic peptide sequence derived from cytoplasmic epitope of CD3 (Glu-Arg-Pro-Pro-Pro-Val-Pro-Asn-Pro-Asp-Tyr-Glu-Pro-Cys) (ERPPPVPNPDYEP C)
Isotype	IgG1
Source/Host	Rat
Species Reactivity	Broad, Human, Bovine, Dog, Horse,,Rhesus Monkey, Pig, Chicken, Mouse, Duck, Koala, Harbour Porpoise, Alpaca,Cynomolgus monkey, Spotted Hyena, Sea Lion, Cat, Amazon Parrot, Mammals, Birds, Raccoon, Great horned owl (Bubo virginianus), Bullfrog, Xenopus, Amphibia, Rabbit
Clone	DE4-23
Purification	Protein G Purified
Conjugate	Unconjugated
Applications	FC, IF, IHC-F, IHC-P ,WB
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Format	Liquid

Concentration	Lot specific
Size	200 µg
Buffer	Phosphate buffered saline
Preservative	0.05% Sodium Azide
Storage	Long time storage is recommended at -20°C.

BACKGROUND

Introduction	CD3 is a multimeric protein complex composed of four distinct polypeptide chains (ε, γ, δ, ζ) that assemble and function as three pairs of dimers (εγ, εδ, ζζ). The CD3 complex serves as a T cell co-receptor that associates non-covalently with the T cell receptor (TCR). CD3 is a defining feature of cells belonging to the T cell lineage and can therefore be used as T cell marker.
Keywords	CD3E;CD3e molecule, epsilon (CD3-TCR complex);T3E;TCRE;IMD18;T-cell surface glycoprotein CD3 epsilon chain;CD3-epsilon;T-cell surface antigen T3/Leu-4 epsilon chain;CD3e antigen, epsilon polypeptide (TiT3 complex);T-cell antigen receptor complex, epsilon subunit of T3;

GENE INFORMATION

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