



Mouse anti-Human DCTD polyclonal antibody (DPAB-DC715)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene catalyzes the deamination of dCMP to dUMP, the nucleotide substrate for thymidylate synthase. The encoded protein is allosterically activated by dCTP and inhibited by dTTP, and is found as a homohexamer. This protein uses zinc as a cofactor for its activity. Two transcript variants encoding different isoforms have been found for this gene.
Immunogen	DCTD (NP_001912, 69 a.a. ~ 178 a.a) partial recombinant protein with GST tag. The sequence is RTAENKLDTKYPYVCHAELENNAIMNKNSTDVKGCSMYVALFPCNECAKLIQAGIKEVIFM SDKYHDSDEATAARLLFNAGVTFRKFIPKCSKIVIDFDSINSRPSQKLQ
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	DCTD dCMP deaminase [Homo sapiens (human)]
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Official Symbol	DCTD
Synonyms	DCTD; dCMP deaminase; deoxycytidylate deaminase;
Entrez Gene ID	1635
Protein Refseq	NP_001012750
UniProt ID	P32321
Chromosome Location	4q35.1
Pathway	Metabolism; Pyrimidine biosynthesis; pyrimidine deoxyribonucleotides biosynthesis from CTP;
Function	dCMP deaminase activity; zinc ion binding;
