



## Mouse anti-Human DCTD polyclonal antibody (DPAB-DC716)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	DCTD (NP_001912.2, 1 a.a. ~ 178 a.a) full-length recombinant protein with GST tag. The sequence is  MSEVSKKRDDYLEWPEYFMAVALSAQRSKDPNSQVGACIVNSENKIVGIGYNGMPNGC SDDVLPWRRTAENKLDTKYPYVCHAELNAIMMNKNSTDVKGCSMYVALFPCNECAKLIQA GIKEVIFTSDKYHDSDEATAARLLFNMAGVTFRKFIPKCSKIVIDFDSINSRPSQKLQ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### GENE INFORMATION

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

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