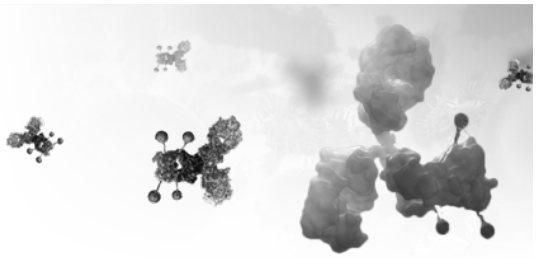

Mouse anti-Human DMC1 monoclonal antibody, clone 5B21 (CABT-B10110)

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

PRODUCT INFORMATION

Immunogen	DMC1 (NP_008999, 237 a.a. ~ 340 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	5B21
Conjugate	Unconjugated
Applications	WB,IF,sELISA,ELISA
Sequence Similarities	GELAERQQKLAQMLSRLQKISEEYNVAVFVTNQMTADPGATMTFQADPKKPIGGHILAHA STTRISLRKGRGELRIAKIYDSPEMPENEATFAITAGGIGDAK*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes a member of the superfamily of recombinases (also called DNA strand-exchange proteins). Recombinases are important for repairing double-strand DNA breaks

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

	during mitosis and meiosis. This protein, which is evolutionarily conserved, is reported to be essential for meiotic homologous recombination and may thus play an important role in generating diversity of genetic information. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]
Keywords	DMC1; DNA meiotic recombinase 1; DMC1H; LIM15; dJ199H16.1; meiotic recombination protein DMC1/LIM15 homolog; disrupted meiotic cDNA1, yeast, homolog of; DMC1 dosage suppressor of mck1 homolog, meiosis-specific homologous recombination;

GENE INFORMATION

Entrez Gene ID	11144
UniProt ID	Q14565
Pathway	Meiotic Recombination, organism-specific biosystem; Ovarian Infertility Genes, organism-specific biosystem
Function	ATP binding; DNA binding; DNA-dependent ATPase activity; nucleoside-triphosphatase activity; nucleotide binding; protein binding

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