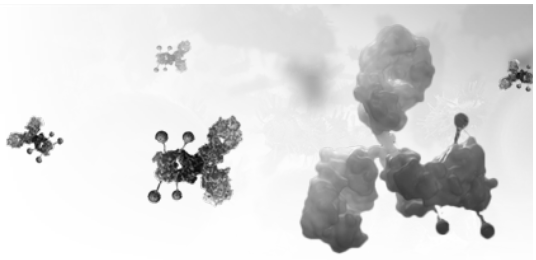

Mouse anti-Human BEST1 monoclonal antibody, clone 2D3 (CABT-B9849)

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

PRODUCT INFORMATION

Immunogen	VMD2 (AAH41664, 361 a.a. ~ 461 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	2D3
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	LHEGLPKNHKAAKQNVRGQEDNKAWKLKAVDAFKSAPLYQRPGYYSAPQTPLSPTPMFFP LEPSAPSKLHSVTGIDTKDKSLKTVSSGAKKSFELLSESD*
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 bestrophin gene family. This small gene family is characterized by proteins with a highly conserved N-terminus with four to six transmembrane

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

	domains. Bestrophins may form chloride ion channels or may regulate voltage-gated L-type calcium-ion channels. Bestrophins are generally believed to form calcium-activated chloride-ion channels in epithelial cells but they have also been shown to be highly permeable to bicarbonate ion transport in retinal tissue. Mutations in this gene are responsible for juvenile-onset vitelliform macular dystrophy (VMD2), also known as Best macular dystrophy, in addition to adult-onset vitelliform macular dystrophy (AVMD) and other retinopathies. Alternative splicing results in multiple variants encoding distinct isoforms.[provided by RefSeq, Nov 2008]
Keywords	BEST1; bestrophin 1; ARB; BMD; BEST; RP50; VMD2; TU15B; bestrophin-1; Best disease; Best1V1Delta2; vitelliform macular dystrophy protein 2;

GENE INFORMATION

Entrez Gene ID	7439
UniProt ID	O76090
Function	contributes_to chloride channel activity; ion channel activity

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