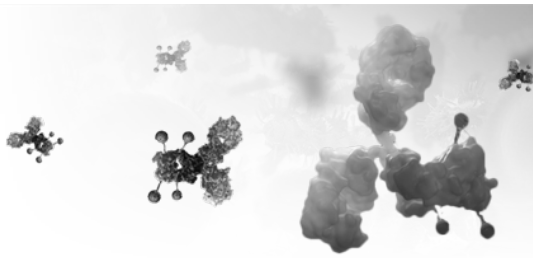

Mouse anti-Human C4BPB monoclonal antibody, clone 2H0 (CABT-B9874)

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

PRODUCT INFORMATION

Immunogen	C4BPB (AAH05378, 1 a.a. ~ 252 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	2H0
Conjugate	Unconjugated
Applications	WB,IP,sELISA,ELISA
Sequence Similarities	MFFWCACCLMVAWRVSASDEHCPELPPVDNSIFVAKEVEGQILGTYVCIKGYHLVGKKTL FCNASKEWDNTTTECRLGHCPDPVLVNGEFSSSGPVNVSDKITFMCNDHYILKGSNRSQC LEDHTWAPPFPICKSRDCDPPGNPVHGYFEGNNFTLGSTISYYCEDRYYLVGVQEQQCVD GEWSSALPVCKLIQEAPKPECEKALLAFQESKNLCEAMENFMQQLKESGMTMEELKYSLE LKKAELKAKLL*
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

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

Introduction	This gene encodes a member of a superfamily of proteins composed predominantly of tandemly arrayed short consensus repeats of approximately 60 amino acids. A single, unique beta-chain encoded by this gene assembles with seven identical alpha-chains into the predominant isoform of C4b-binding protein, a multimeric protein that controls activation of the complement cascade through the classical pathway. C4b-binding protein has a regulatory role in the coagulation system also, mediated through the beta-chain binding of protein S, a vitamin K-dependent protein that serves as a cofactor of activated protein C. The genes encoding both alpha and beta chains are located adjacent to each other on human chromosome 1 in the regulator of complement activation gene cluster. Alternative splicing gives rise to multiple transcript variants. [provided by RefSeq, Jul 2008]
Keywords	C4BPB; complement component 4 binding protein, beta; C4BP; C4b-binding protein beta chain;

GENE INFORMATION

Entrez Gene ID	725
UniProt ID	P20851
Pathway	Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; FOXA1 transcription factor network, organism-specific biosystem; Pertussis, organism-specific biosystem; Pertussis, conserved biosystem

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