



Mouse anti-Human DAK monoclonal antibody, clone 2E0 (CABT-B10063)

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

PRODUCT INFORMATION

Immunogen	DAK (AAH01341, 1 a.a. ~ 576 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	2E0
Conjugate	Unconjugated
Applications	sELISA, ELISA
Sequence Similarities	MTSKKLVNSVAGCADDALAGLVACNPNLQLLQGHRVALRSDDLDSLKGRVALLSGGGSGHE PAHAGFIGKGMLTGVIAGAVFTSPAVGSIILAAIRAVAQAGTVGTLIVKNYTGDRLNFGL AREQARAEGIPVEMVVIGDDSAFTVLKKAGRRGLCGTVLIHKVAGALAEAGVGLEEIAKQ VNVVAKAMGTGVSLSSCSVPGSKPTFELSADEVELGLGIHGEAGVRRIKMATADEIVKL MLDHMTNTTNASHVP
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 is a member of the family of dihydroxyacetone kinases, which have a protein structure distinct from other kinases. The product of this gene phosphorylates dihydroxyacetone, and also catalyzes the formation of riboflavin 4,5-phosphate (aka cyclin FMN) from FAD. Several alternatively spliced transcript variants have been identified, but the full-length nature of only one has been determined. [provided by RefSeq, Jul 2008]
Keywords	DAK; dihydroxyacetone kinase 2 homolog (<i>S. cerevisiae</i>); NET45; bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyclizing); DHA kinase; glycerone kinase; Dha kinase/FMN cyclase; FAD-AMP lyase cyclizing; FAD-AMP lyase cyclic FMN forming; ATP-dependent dihydroxyacetone kinase;

GENE INFORMATION

Entrez Gene ID	26007
UniProt ID	Q3LXA3
Pathway	Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Immune System, organism-specific biosystem; Innate Immunity Signaling, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; RIG-I-like receptor signaling pathway, organism-specific biosystem
Function	ATP binding; FAD-AMP lyase (cyclizing) activity; glycerone kinase activity; lyase activity; metal ion binding; nucleotide binding; transferase activity
