



Magic™ Anti-ADIPOQ monoclonal antibody, clone Beo47 (DMAB-L21023)

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

PRODUCT INFORMATION

Product Overview	Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with native human adiponectin
Antigen Description	This gene is expressed in adipose tissue exclusively. It encodes a protein with similarity to collagens X and VIII and complement factor C1q. The encoded protein circulates in the plasma and is involved with metabolic and hormonal processes. Mutations in this gene are associated with adiponectin deficiency. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Specificity	Human serum adiponectin
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	Beo47
Purification	Chromatography on protein A Sepharose
Conjugate	Unconjugated
Applications	Recommended pairs for total adiponectin immunodetection in sandwich immunoassay (capture/detection): DMAB-L21023–DMAB-L21024
Procedure	Matched Antibody Pairs
Buffer	PBS, pH 7.4, 0.1 % sodium azide (NaN ₃)

Preservative	0.1% Sodium Azide
Storage	4°C

GENE INFORMATION

Gene Name	ADIPOQ adiponectin, C1Q and collagen domain containing [Homo sapiens]
Official Symbol	ADIPOQ
Synonyms	ACDC; ADPN; APM1; GBP28; ACRP30; ADIPQTL1; adiponectin; ACRP; 30 kDa adipocyte complement-related protein; Adipocyte C1q and collagen domain-containing protein; Adipose most abundant gene transcript 1 protein; OTTHUMP00000210047; OTTHUMP00000210048; gelatin-binding protein 28
Entrez Gene ID	9370
Protein Refseq	NP_001171271
UniProt ID	A8K660
Chromosome Location	3q27
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; PPAR signaling pathway; organism-specific biosystem; Transcriptional Regulation of White Adipocyte Differentiation, organism-specific biosystem; Type II diabetes mellitus
Function	Cytokine activity; eukaryotic cell surface binding hormone activity; identical protein binding; protein binding; protein homodimerization activity; receptor binding