

ADIPOQ

Mouse Anti-Human Adiponectin/Acrp30 Clone 1G12 mAb

Catalog No.	CSI15556A CSI15556B	Quantity:	50 µl 100 µl
Alternate Names:	ACDC, ACRP30, ADPN, APM-1, APM1, GBP28, adiponectin, adipocyte, C1Q and collagen domain containing, adipocyte, C1Q and collagen domain-containing, adiponectin, adipose most abundant gene transcript 1, gelatin-binding protein 28		
Description:	Human Adiponectin, also referred to as AdipoQ, Acrp30, apm-1 or GBP28, is a secreted protein expressed exclusively in differentiated adipocyte (adipokine). Adiponectin contains a modular structure comprising an N-terminal collagenous domain followed by a C-terminal globular domain (gAcrp30). Adiponectin plays a role in various physiological processes such as energy homeostasis and obesity. Plasma levels of adiponectin are reduced in obese humans, and decreased levels are associated with insulin resistance and hyperinsulinemia.		
Concentration:	1 mg/ml		
Gene ID:	9370		
Protein Accession No.:	NP_004788		
Host:	Mouse		
Immunogen:	Recombinant human adiponectin (15-244 aa) purified from <i>E. coli</i>		
Isotype:	Mouse IgG1 κ		
Clone:	Anti-human adiponectin mAb, clone 1G12, is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human Acrp30 protein.		
Formulation:	Liquid. Supplied in Phosphate-Buffered Saline (pH 7.4) with 0.1% Sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	By protein-G affinity chromatography		
Reacts With:	Human, mouse		
Applications:	ELISA, WB (Recombinant protein, Cell lysate)		

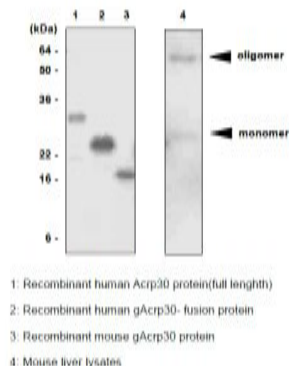


Application Notes: The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:250 ~ 1,000. Recommended starting dilution is 1:500. Please note that this antibody (1G12) has the specificity against globular domain of adiponectin.

Storage & Stability: Can be stored at +4C. For long term storage, aliquot and store at -20C. **Avoid repeated freezing and thawing cycles.**

Western Blot Analysis: The recombinant proteins and mouse liver lysates were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human adiponectin antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Arrows indicate the oligomer and monomer of mAcnp30 protein in mouse liver. * gAcnp30: globular domain of adiponectin

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