

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CTRP9/C1qTNF9 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) C1qTNF1, rhCORS26/C1qTNF3, rhC1qTNF4, rhC1qTNF5, rhC1QL2 is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 653533
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CTRP9/C1qTNF9 Asn16-Pro333 Accession # P0C862
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

C1qTNF9, also known as CTRP9, is one of several Adiponectin/Acrp30 paralogs which comprise the C1q and TNF-related protein family. All family members share a modular organization comprising a short variable region, a collagenous domain, and a C1q-like globular domain. C1qTNF9 is a 40 kDa glycoprotein that contains multiple hydroxylated proline residues in its collagenous region. It circulates as a homotrimer and higher order multimers as well as in heterotrimers with Adiponectin. It is preferentially expressed in adipose tissue and plays a role in glucose homeostasis. Human C1qTNF9 shares 85% amino acid sequence identity with mouse and rat C1qTNF9.

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