Human CTRP9/C1qTNF9 Antibody

Monoclonal Mouse IgG_{2A} Clone # 653533

Catalog Number: MAB6537

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
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

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.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant human CTRP9/C1qTNF9

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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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