Mouse Complement Factor D/Adipsin Biotinylated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: BAF5430

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Complement Factor D/Adipsin in Western blots. In Western blots, approximately 5% cross-reactivity with recombinant human (rh) Complement Factor D is observed and less than 1% cross-reactivity with rhGranzyme A is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Complement Factor D/Adipsin Ile26-Ser259 Accession # P03953
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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	0.1 µg/mL	Recombinant Mouse Complement Factor D/Adipsin

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
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

Complement Factor D (also Adipsin, C3 convertase activator and Properdin factor D) is a 37-43 kDa member of the S1 peptidase family of enzymes. In mouse, it is secreted by fat cells and helps form C3 convertase, a complex of C3b, Factor B and Factor D. This complex cleaves C3 into C3b and C3a, the latter of which is converted into ASP, a molecule that binds the adipocyte receptor C5L2 and induces triglyceride synthesis. Mature mouse Factor D is 234 amino acids (aa) in length (aa 26-259). In contains one peptidase S1 domain that cleaves an Arg-Lys bond (aa 26-254). There are at least two potential alternative splice forms. One shows a two aa substitution for aa 1-71, and a second shows a 15 aa substitution for aa 1-107. Mature mouse factor D shares 85% and 68% aa identity with rat and human Factor D, respectively.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449