Mouse CD47 N-terminal IgV-like Extracellular Domain Biotinylated Antibody

Antigen Affinity-purified Polyclonal Goat IgG

Catalog Number: BAF1866

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CD47 N-terminal IgV-like Extracellular Domain in Western blots. In Western blots, approximately 15% cross-reactivity with recombinant human CD47 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CD47 N-terminal IgV-like Extracellular Domain Gln19-Pro158 Accession # NP_034711
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 CD47 N-terminal IgV-like Extracellular Domain
Flow Cytometry	0.25 µg/10^6 cells	Mouse splenocytes
Immunohistochemistry	5-15 µg/mL	Perfusion fixed frozen sections of mouse ovary and thymus

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

CD47, also known as integrin-associated protein, is an integral membrane protein with a single IgV-like domain at its N-terminus followed by five membrane-spanning regions. CD47 is expressed ubiquitously. It is a ligand for the transmembrane signal regulatory protein alpha 1 (SIRPα) and also functions as a receptor for thrombospondin.

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