Human Complement Component C2b Antibody

Monoclonal Mouse IgG_{2A} Clone # 269716

Catalog Number: MAB1936

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Complement Component C2b in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) C1r, rhC1s, rhC3r, rhC5a, rhFactor B, or rhFactor I is observed. In Western blots, this antibody recognizes rhC2 and rhC2B.
Source	Monoclonal Mouse IgG_{2A} Clone # 269716
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Complement Component C2 Ala21-Leu752 Accession # P06681
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 Complement Component C2b under non-reducing conditions only
Immunoprecipitation	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Human Complement Component C2b, see our available Western blot detection antibodies

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
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

C2 is a key protease involved in the classical pathway of complement. It is synthesized as a single-chain and is proteolytically processed into two chains, C2a (aa 244-752) and C2b (aa 21-243). C2a consists of a vWF domain and a serine protease domain. C2b contains 3 Sushi (SCR) domains.

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