R&D SYSTEMS
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Human Kell Antibody

Monoclonal Mouse IgG_1 Clone # 195031

Catalog Number: MAB1914

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Kell in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human ECE-2, recombinant human Neprilysin, or recombinant mouse Kell is observed.
Source	Monoclonal Mouse IgG_1 Clone # 195031
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Kell Asn68-Trp732 Accession # P23276
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 Kell

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

Kell, a type II membrane glycoprotein, is linked through a single disulfide bond to XK, a putative membrane transporter. These two proteins constitute the Kell blood group system. Kell is a zinc metalloprotease of the neprilysin family that cleaves big endothelins.

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