Human Ly6K Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 750747

Catalog Number: FAB6648R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Ly6K in direct ELISAs.
Source	Monoclonal Mouse IgG_{2A} Clone # 750747
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Ly6K Met1-Gly138 Accession # Q17RY6
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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
Flow Cytometry	0.25-1 µg/10^6 cells	HeLa human cervical epithelial carcinoma cell line

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Ly6K (Lymphocyte antigen 6 locus K; also CO16) is a 26-27 kDa member of the Ly-6 antigen family of molecules. It has restricted expression, being described in testis and skin. Ly6K is found in/on carcinomas, and is known to circulate in normal and tumor-patient blood. Mature human Ly6K is a 121 amino acid (aa) GPI-linked (presumed) glycoprotein. It is synthesized as a 165 aa preproprecursor that contains a 17 aa signal sequence, a 121 aa mature region (aa 18-138), and a 27 aa C-terminal propeptide. There are two potential splice variants, one that shows a 48 aa substitution, and another that shows a 33 aa substitution for aa 73-165. It is not clear if mouse Ly6K is a true molecular ortholog of human Ly6K. In any event, over aa 18-138, human Ly6K shares 39% aa identity with mouse Ly6K.

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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