biotechne® RDSYSTEMS

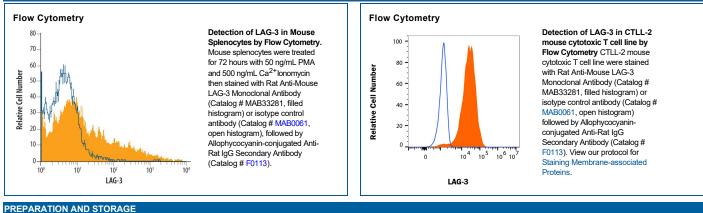
Monoclonal Rat IgG_{2B} Clone # 631501 Catalog Number: MAB33281

DESCRIPTION	
Species Reactivity	Mouse
Specificity	Detects mouse LAG-3 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human LAG-3 is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 631501
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with mouse LAG-3 Ser23-Leu442 Accession # Q61790
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

DATA

Please Note: Optimal dilutions should be	e determined by each laboratory for each application. General Protocols	are available in the Technical Information section on our website.	
	Recommended Concentration	Sample	
Flow Cytometry	2.5 μg/10 ⁶ cells	See Below	
CyTOF-ready	Ready to be labeled using established conjugation.	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	



Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL. For liquid material, refer to CoA for concentration.	
Shipping	Lyophilized product is shipped at ambient temperature. Liquid small pack size (-SP) is shipped with polar packs. Upon receipt, store 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

LAG-3 (Lymphocyte activation gene-3; CD223 in the human) is a member of the immunoglobulin superfamily (IgSF). The mature LAG-3 protein is a 496 amino acid (aa) membrane protein with a 421 aa extracellular region which contains four IgSF domains, a 21 aa transmembrane region and a 54 aa cytoplasmic region. LAG-3 shares < 20% amino acid sequence homology with CD4, but has similar structure and binds to MHC class II with higher affinity. The mouse LAG-3 extracellular region shares 69% aa sequence identity with human LAG-3.

Rev. 11/12/2024 Page 1 of 1
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 Europe | Middle East | Africa TEL: +44.0.1235.529449
China | info.cn@bio-techne.com TEL: 400.821.3475