

DESCRIPTION

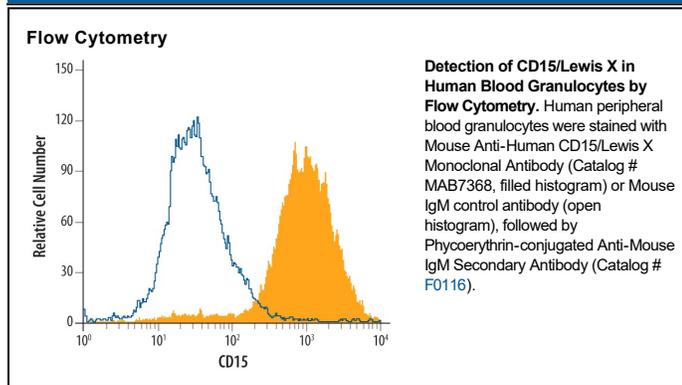
Species Reactivity	Human
Specificity	Detects human CD15/Lewis X in direct ELISAs.
Source	Monoclonal Mouse IgM Clone # ICRF29-2
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	human granulocytes
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. 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
Flow Cytometry	2.5 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
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. <ul style="list-style-type: none"> ● 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

Lewis X (Le^x) is a glycan structure (Galβ1-4(Fucα1-3)GlcNAcβ-) that forms the terminus of N-linked carbohydrates such as the antigenic epitope Stage-Specific Embryonic Antigen-1 (SSEA-1/CD15). It is widely expressed, can be found on glycoproteins, glycolipids and proteoglycans and is a blood group antigen. Le^x is a marker for mouse embryonic stem and cancer cells, and is expressed on leukocytes, germ cells and neuronal stem cells in both mouse and human. Le^x is thought to enhance cell adhesion, either directly or by promoting integrin activation.