

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CD15/Lewis X in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgM Clone # ICRF29-2
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	human granulocytes
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Human peripheral blood granulocytes

**PREPARATION AND STORAGE**

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

**BACKGROUND**

Lewis X (Le<sup>x</sup>) 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<sup>x</sup> 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<sup>x</sup> is thought to enhance cell adhesion, either directly or by promoting integrin activation.

**PRODUCT SPECIFIC NOTICES**

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