

## DESCRIPTION

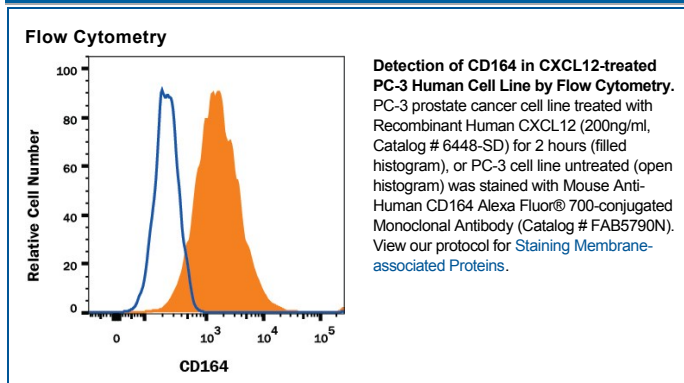
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CD164 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse CD164 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>3</sub> Clone # 502021
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with human CD14 Asp24-Leu197 Accession # Q04900
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	Supplied 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	See Below

## DATA



## 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

CD164, also known as endolyn, MGC-24, and MUC-24, is an 80-100 kDa transmembrane sialomucin protein that is expressed by epithelial cells, T and B cells, monocytes, hematopoietic progenitor cells, and activated basophils. CD164 functions as an adhesion molecule and a negative regulator of cell proliferation. A soluble isoform is generated by alternate splicing. CD164 was identified as a potential regulator of homing in a prostate cancer screening for CXCL12-responsive adhesion molecules (1). Within the ECD, human CD164 shares approximately 53% sequence identity with mouse and rat CD164.

### References:

1. Havens, A.M. *et al.* (2006) BMC Cancer 2006, 6:195.

**PRODUCT SPECIFIC NOTICES**

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