Human CD164
Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG_3 Clone # 502021

Catalog Number: FAB5790T

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD164 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse CD164 is observed.
Source	Monoclonal Mouse IgG_3 Clone # 502021
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human CD14 Asp24-Leu197 Accession # Q04900
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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	PC-3 human prostate cancer 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

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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