Human CLEC14A
Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 743940

Catalog Number: FAB7436N

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CLEC14A in direct ELISA.
Source	Monoclonal Mouse IgG_{2B} Clone # 743940
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CLEC14A Glu22-Ala397 Accession # Q86T13
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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	HUVEC human umbilical vein endothelial cells

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

CLEC14A (C-type Lectin domain family 14 member A), also known as EGFR5, is a 51 kDa (predicted) member of the C-type lectin domain family of proteins. It is a type I transmembrane protein, apparently expressed in brain. Mature human CLEC14A is 469 amino acids (aa) in length. It contains a 376 aa extracellular region (aa 22-397) and a 72 aa cytoplasmic domain. The extracellular region shows one C-type lectin like domain (aa 32-175) and an EGF-like region (aa 245-287). Over aa 22-397, human CLEC14A shares 66% and 81% aa identity with mouse and canine CLEC14A, respectively.

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