

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CLEC14A in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human (rh) CLEC1, rhCLEC2, rhCLEC3B, and rhCLEC10A is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CLEC14A Glu22-Ala397 Accession # Q86T13
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

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 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 and about which little is known. Mature human CLEC14A is 469 amino acids 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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