

## DESCRIPTION

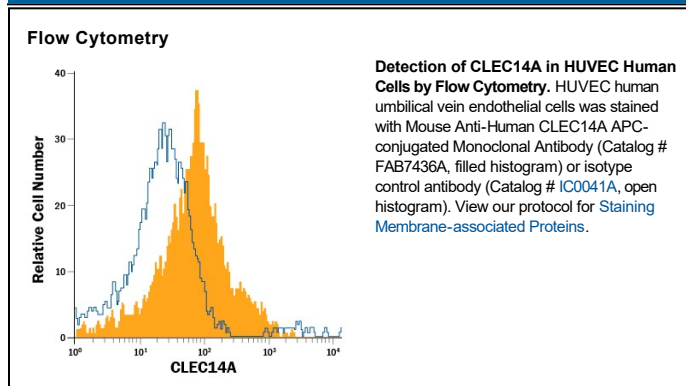
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CLEC14A in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 743940
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human CLEC14A Glu22-Ala397 Accession # Q86T13
<b>Conjugate</b>	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 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.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	10 $\mu$ L/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

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 and about which little is known. 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.