

# FITC-Labeled Human CLEC12A/MICL/CLL-1 Protein

Cat. No. CLE-HM12AF

## Description

<b>Source</b>	Recombinant FITC-Labeled Human CLEC12A/MICL/CLL-1 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains His65-Ala265.
<b>Accession</b>	Q5QGZ9-2
<b>Molecular Weight</b>	The protein has a predicted MW of 24.6 kDa. Due to glycosylation, the protein migrates to 35-55 kDa based on Bis-Tris PAGE result.
<b>Wavelength</b>	Excitation Wavelength: 490 nm Emission Wavelength: 520 nm
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

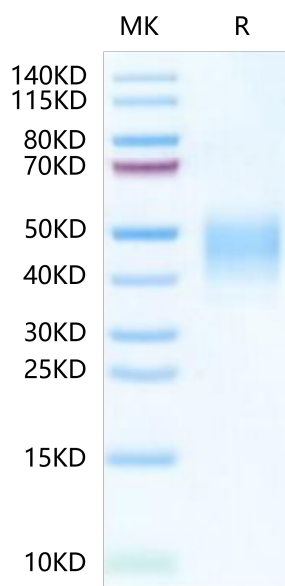
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

CLEC12A has recently been identified as an antigen, expressed on leukemic stem cells and leukemic blasts. Given the fact that this expression profile seems stable throughout diagnosis, treatment and relapse on leukemic blasts and leukemic stem cells, CLEC12A can be considered a highly potent and reliable marker for the detection of measurable residual disease and therefore applicable for risk stratification and prognostication in AML.

## Assay Data

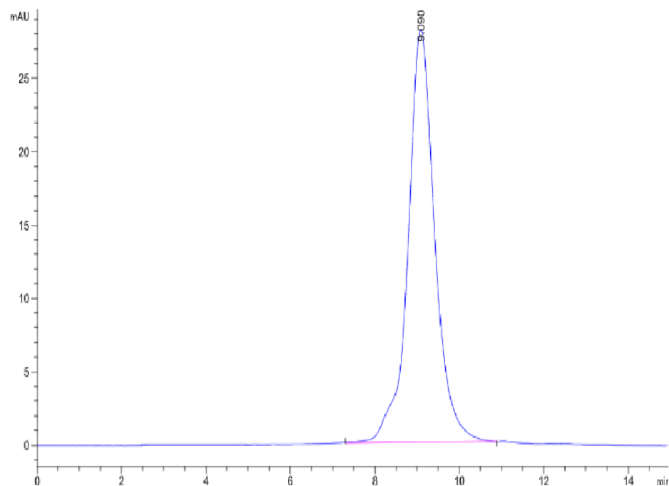
### Bis-Tris PAGE



FITC-Labeled Human CLEC12A on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of FITC-Labeled Human CLEC12A is greater than 95% as determined by SEC-HPLC.