

## CD300c Protein, Human (183a.a, HEK293, His)

Cat. No.:	HY-P76222
Synonyms:	CMRF35-like molecule 6; CLM-6; CMRF35-A1; CMRF-35; IGSF16
Species:	Human
Source:	HEK293
Accession:	NP_006669.1 (M29-R183)
Gene ID:	10871
Molecular Weight:	29-40 kDa

### PROPERTIES

Biological Activity	Measured by its ability to inhibit anti-CD3-induced proliferation of Jurkat human T-lymphocyte leukemia cells. The ED <sub>50</sub> this effect is 3.884 µg/ml, corresponding to a specific activity is 257.47 units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	The CD300c protein, also known as the CMRF35 antigen, has been identified through reactivity with a monoclonal antibody. This antigen is found on various immune cells, including monocytes, neutrophils, and certain T and B lymphocytes, as documented in a study by Jackson et al. in 1992. The protein exhibits broad expression across multiple tissues, with notable presence in lung, appendix, and 19 other tissues.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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