

## CLEC9A Protein, Human (HEK293, Fc)

Cat. No.:	HY-P77904
Synonyms:	CD370; CLEC9A; 9830005G06Rik; DNGR-1; HEEE9341; UNQ9341
Species:	Human
Source:	HEK293
Accession:	Q6UXN8 (K57-V241)
Gene ID:	283420
Molecular Weight:	55-65 kDa

### PROPERTIES

Biological Activity	Immobilized Human CLEC9A, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-CLEC9A Antibody, hFc Tag with the EC <sub>50</sub> of 4.4ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
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	CLEC9A Protein operates as an endocytic receptor uniquely expressed on a specific subset of myeloid cells, designed for the efficient uptake and processing of material derived from deceased cells. This receptor exhibits a distinct recognition capability for the filamentous form of actin, particularly in conjunction with specific actin-binding domains found in cytoskeletal proteins like spectrin. This recognition occurs when cell membranes are compromised, facilitating the cross-presentation of antigens associated with dead cells in a Syk-dependent manner. Notably, CLEC9A functions as a homodimer, emphasizing its role in the specialized endocytic processes performed by this subset of myeloid cells.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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