

CLEC9A Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P76270
Synonyms:	C-type lectin domain family 9 member A; CD370; Dngr-1
Species:	Mouse
Source:	HEK293
Accession:	Q8BRU4-4 (K57-I264)
Gene ID:	232414
Molecular Weight:	Approximately 52.1 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ 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 CLEC9A protein serves as an endocytic receptor, uniquely expressed on a specific subset of myeloid cells with a specialized role in the uptake and processing of material derived from dead cells. It recognizes the filamentous form of actin, particularly in conjunction with specific actin-binding domains of cytoskeletal proteins like spectrin, which become exposed upon cell membrane damage. CLEC9A plays a crucial role in the cross-presentation of antigens associated with dead cells in a Syk-dependent manner, contributing to immune surveillance and response. Structurally, it forms homodimers to execute its functions efficiently.
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Caution: Product has not been fully validated for medical applications. For research use only.

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