

## CD83 Protein, Mouse (113a.a, HEK293, Fc)

Cat. No.:	HY-P72704
Synonyms:	B-cell activation protein; CD83 antigen; hCD83; CD83; BL11
Species:	Mouse
Source:	HEK293
Accession:	O88324 (M22-A134)
Gene ID:	12522
Molecular Weight:	55-65 kDa

### PROPERTIES

AA Sequence	<p>M R E V T V A C S E    T A D L P C T A P W    D P Q L S Y A V S W    A K V S E S G T E S</p> <p>V E L P E S K Q N S    S F E A P R R R A Y    S L T I Q N T T I C    S S G T Y R C A L Q</p> <p>E L G G Q R N L S G    T V V L K V T G C P    K E A T E S T F R K    Y R A</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, 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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	<p>The CD83 protein emerges as a potential key player in antigen presentation or the subsequent cellular interactions that occur following lymphocyte activation, underscoring its significance in immune processes. Its involvement suggests a potential role in orchestrating the presentation of antigens, a crucial step in immune recognition and response. Structurally, CD83 functions as a monomer, indicating its singular molecular form in executing its biological activities. Further exploration into the specific mechanisms by which CD83 participates in antigen presentation and lymphocyte activation could provide valuable insights into its pivotal role in shaping immune responses and cellular interactions within the immune system.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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