



Recombinant Protein Technical Manual
Recombinant Mouse CD83/HB15 Protein (aa 2234,
Fc Tag)
RPES1989

Product Data:

Product SKU: RPES1989

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: O88324

Protein Information:

Molecular Mass: 39.5 kDa

AP Molecular Mass: 55-65 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: CD83 Antigen; hCD83; B-Cell Activation Protein; Cell Surface Protein HB15; CD83

Immunogen Information:

Sequence: Met22-Ala134

Background:

CD83 antigen is a single-pass type I membrane protein which contains one Ig-like V-type (immunoglobulin-like) domain. CD83 is expressed by activated lymphocytes, Langerhans cells and interdigitating reticulum cells. It contains one Ig-like V-type (immunoglobulin-like) domain, the soluble CD83 has the opposite effect and has an immune inhibitory capacity. Due to its immune inhibitory function, CD83 may play a significant role in antigen presentation or the cellular interactions that follow lymphocyte activation.