

Biotinylated Mouse CD7 Protein, hFc Tag

产品信息

产品名称	产品编号	规格
Biotinylated Mouse CD7 Protein, hFc Tag	93171ES60	100 µg
	93171ES76	500 µg
	93171ES80	1 mg

产品描述

CD7, also known as Leu-9, is an approximately 40 kDa glycosylated and palmitoylated transmembrane protein in the immunoglobulin superfamily. Mature human CD7 consists of a 155 amino acid (aa) extracellular domain (ECD), a 21 aa transmembrane segment, and a 39 aa cytoplasmic domain. Within the ECD, human CD7 shares 43% and 41% aa sequence identity with mouse and rat CD7, respectively. CD7 is expressed on T cells, NK cells, myeloid progenitor cells, and CD19+ B progenitor cells. Among CD8+ T cells, the CD7-bright population preferentially contains naïve and memory cells, while more weak expressors are primarily effector cells. It also enhances integrin-mediated adhesion of these cells to Fibronectin, ICAM-1, and VCAM-1. CD7 additionally mediates the Galectin-1 induced apoptosis of T cells and facilitates the fusion of HIV-1 with target cells.

产品性质

Synonyms	CD7 molecule; CD7; LEU-9; Tp40; TP41; GP40
Uniprot No.	P50283
Source	Recombinant Biotinylated Mouse CD7 Protein is expressed from HEK293 Cells with hFc tag at the C-terminal. It contains Gln24-Pro150.
Molecular Weight	The protein has a predicted MW of 41 kDa. Due to glycosylation, the protein migrates to 52-62 kDa based on Tris-Bis PAGE result.
Physical Appearance	Liquid Solution
Purity	> 95% as determined by SDS-PAGE and HPLC
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).

运输与保存方法

The products are shipped with ice pack and can be stored at -80°C for 1 year.

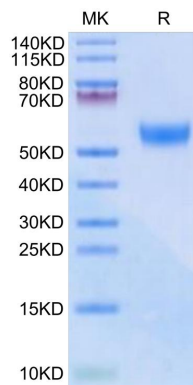
Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

注意事项

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!

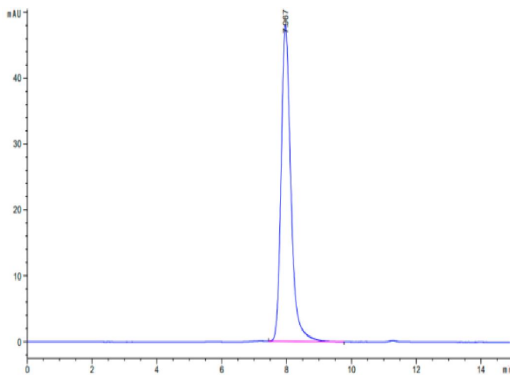
产品数据

Tris-Bis PAGE



Biotinylated Mouse CD7 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Mouse CD7 is greater than 95% as determined by SEC-HPLC.