HB220804

Recombinant Human B7-H3(4Ig)/B7-H3b (hFc Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human B7-H3(4Ig)/B7-H3b (hFc Tag)	93111ES25	25 μg
	93111ES60	100 μg
	93111ES76	500 μg
	93111ES80	1 mg

产品描述

Human B7 homolog 3 (B7-H3) is a member of the B7 family of immune proteins that provide signals for the regulation of immune responses. Other family members include B7-1, B7-2, B7-H1/PD-L1, B7-H2, and PD-L2. B7 family proteins are type I transmembrane immunoglobulin (Ig) superfamily members that contain extracellular Ig V-like and Ig C-like domains with a short cytoplasmic tail. Among the family members there is about 20 - 40% amino acid (aa) sequence identity. B7-H3 was initially reported to be a 316 aa type I transmembrane precursor protein that contained a signal sequence, an extracellular region with one V-type and one C-type Ig domain, a transmembrane segment and a short cytoplasmic tail. Subsequent studies have identified a second 110 kDa form whose precursor is 534 aa in length. Termed 4IgB7-H3 or B7-H3b, this molecule has two additional Ig-like domains (one V-type and one C-type) and shows a ubiquituous expression pattern. It would appear that the human 4Ig form is the principal, if not the only form of B7-H3. Its precursor contains a 26 aa signal sequence, a 435 aa extracellular region, a 31 aa transmembrane domain, and a 42 aa cytoplasmic tail. The four Ig-like domains alternate between V-type and C-type, and apparently are the consequence of a V-C type tandem duplication. B7-H3b is expressed on dendritic cells as well as activated T, B and NK cells.

产品性质

别名	B7-H3; CD276; PSEC0249; 4Ig-B7-H3; UNQ309; PRO352; B7 homolog 3; CD276
Uniprot No.	Q5ZPR3-1
表达区间及表达系统	Recombinant Human B7-H3 (4Ig)/B7-H3b Protein is expressed from HEK293 Cells with hFc tag at the C-terminal. It contains Gly27-Thr461.
分子量	Approximately 73.4 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	**ELISA Data:** Immobilized Human B7-H3 (4Ig) , hFc Tag at 5μg/ml (100μl/Well) on the plate. Dose response curve for Biotinylated Anti-B7-H3 Antibody, hFc Tag with the EC50 of 44.3ng/ml determined by ELISA.
内毒素	< 1.0 EU per 1μg of the protein by the LAL method.
制剂	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
复溶	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

运输与保存方法

冰袋运输。-20℃至-80℃保存，一年有效期。

复溶后，-20 至 -80°C，在未开封状态下保存 3-6 个月。复溶后，2-8°C 保存 2-7 天。

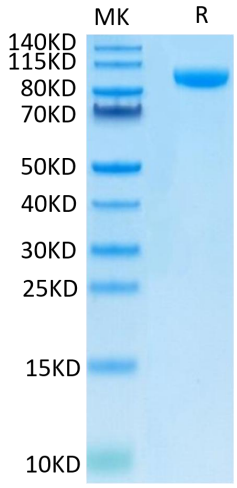
建议第一次使用时分装冻存，避免反复冻融。

注意事项

1. 避免反复冻融。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
3. 本产品仅作科研用途！

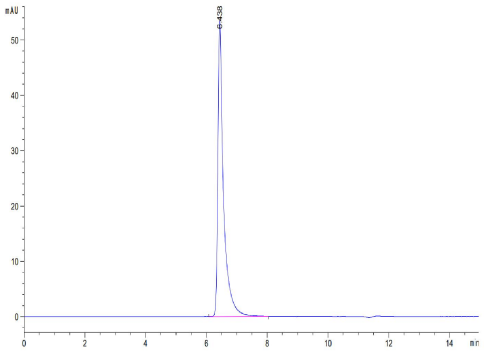
产品数据

Tris-Bis PAGE



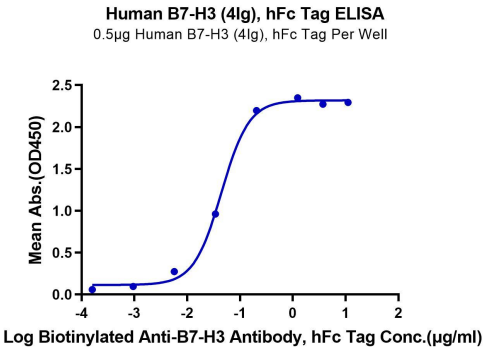
Human B7-H3 (4Ig) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human B7-H3 (4Ig) is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human B7-H3 (4Ig) , hFc Tag at 5μg/ml (100μl/Well) on the plate. Dose response curve for Biotinylated Anti-B7-H3 Antibody, hFc Tag with the EC50 of 44.3ng/ml determined by ELISA.