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CD161 Protein (AA 67-225) (His tag)





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Overview

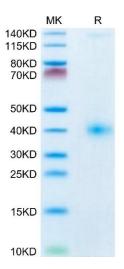
Quantity:	100 μg
Target:	CD161 (KLRB1)
Protein Characteristics:	AA 67-225
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD161 protein is labelled with His tag.

Product Details

Purpose:	Human CD161 Protein
Sequence:	Gln67-Ser225
Characteristics:	Recombinant Human CD161 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gln67-Ser225.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human CD161, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD161 Antibody, hFc Tag with the EC50 of 11.4ng/ml determined by ELISA. The affinity constant of 78.8 nM as determined in SPR assay (Biacore T200). See testing image for detail.

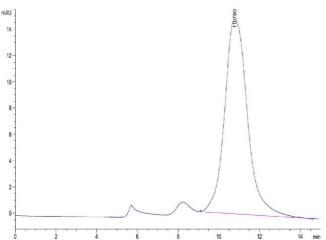
Target Details

Target:	CD161 (KLRB1)
Alternative Name:	CD161 (KLRB1 Products)
Background:	CD161 (NKRP1) is a lectin-like receptor present on NK cells and rare T-cell subsets. We have observed CD161 expression in some cases of T-cell prolymphocytic leukemia (T-PLL) and found it to be useful in follow-up and detection of disease after treatment.
Molecular Weight:	19.6 kDa. Due to glycosylation, the protein migrates to 38-45 kDa based on Tris-Bis PAGE result.
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



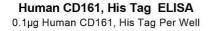
SDS-PAGE

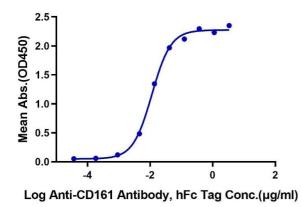
Image 1. Human CD161 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CD161 is greater than 95 % as determined by SEC-HPLC.





ELISA

Image 3. Immobilized Human CD161, His Tag at 1 μ g/mL (100 μ L/Well) on the plate. Dose response curve for Anti-CD161 Antibody, hFc Tag with the EC50 of 11.4 ng/mL determined by ELISA.

Please check the product details page for more images. Overall 4 images are available for ABIN7274068.