# antibodies -online.com







## CD21 Protein (AA 21-971) (His tag)

**Images** 



#### Overview

Quantity:	100 μg
Target:	CD21 (CR2)
Protein Characteristics:	AA 21-971
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD21 protein is labelled with His tag.

#### **Product Details**

Purpose:	Human CD21 Protein
Sequence:	lle21-Arg971
Characteristics:	Recombinant Human CD21 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Ile21-Arg971.
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 CD21, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD21 Antibody, hFc Tag with the EC50 of 6.0ng/ml determined by ELISA. See testing image for detail.

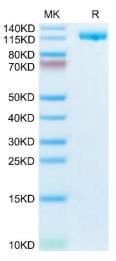
#### **Target Details**

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Target:	CD21 (CR2)
Alternative Name:	CD21 (CR2 Products)
Background:	CD21 mRNA expression, an EBV-entry receptor, was transiently detected in NK cells after exosome treatment, and levels decreased after further culture. CD21 protein expression was also transiently transferred to NK cells after co-culture with an EBV-positive Burkitt lymphoma cell line (Raji) via trogocytosis. However, EBV did not infect NK cells through CD21-mediated trogocytosis.
Molecular Weight:	105.3 kDa. Due to glycosylation, the protein migrates to 110-130 kDa based on Bis-Tris PAGE result.
Pathways:	Complement System
Application Details	
Doctrictions:	For Dogograph Llog only

Restrictions: For Research Use only

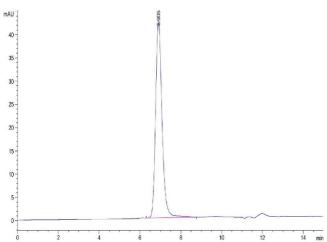
### Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ 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



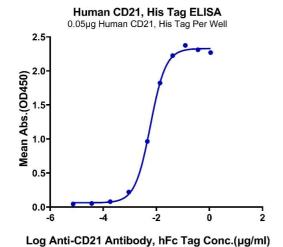
#### **SDS-PAGE**

**Image 1.** Human CD21 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 CD21 is greater than 95 % as determined by SEC-HPLC.



#### **ELISA**

**Image 3.** Immobilized Human CD21, His Tag at  $0.5\,\mu g/mL$  (100  $\mu L/Well$ ) on the plate. Dose response curve for Anti-CD21 Antibody, hFc Tag with the EC50 of  $6.0\,n g/mL$  determined by ELISA.