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CD5 Protein (CD5) (AA 25-371) (Fc-Avi Tag)







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| Quantity: | 100 μg |
|-------------------------------|---|
| Target: | CD5 |
| Protein Characteristics: | AA 25-371 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CD5 protein is labelled with Fc-Avi Tag. |

Product Details

| Purpose: | Human CD5 Protein | |
|------------------------------|---|--|
| Sequence: | Arg25-Asn371 | |
| Characteristics: | Recombinant Human CD5 Protein is expressed from HEK293 with hFc tag and Avi tag at the C-Terminus.It contains Arg25-Asn371. | |
| 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 CD5 at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-CD5 Antibody, hFc Tag with the EC50 19.6ng/ml determined by ELISA. See testing image for detail. | |

Target Details

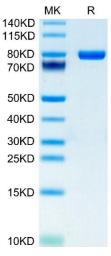
| Target: | CD5 |
|-------------------|--|
| Alternative Name: | CD5 (CD5 Products) |
| Background: | CD5: a type I transmembrane protein found on T cells, thymocytes, and some B cells that is a ligand for CD72 and is involved in cellular activation or adhesion, expressed in B-cell chronic lymphocytic leukemia and T-cell lymphoma. |
| Molecular Weight: | 67.1 kDa. Due to glycosylation, the protein migrates to 75-82 kDa based on Tris-Bis PAGE result. |
| UniProt: | P06127 |

Application Details

| Restrictions: | For Research Use only | |
|---------------|-----------------------|--|
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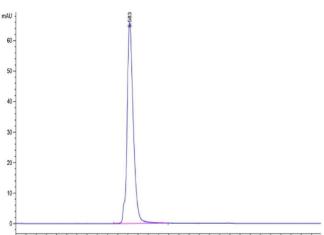
Handling

| 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 CD5 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 CD5 is greater than 95 % as determined by SEC-HPLC.

Human CD5, hFc Tag ELISA 0.05µg Human CD5, hFc Tag Per Well

ELISA

Image 3. Immobilized Human CD5 at $0.5\,\mu g/mL$ ($100\,\mu$ L/Well) on the plate. Dose response curve for Biotinylated Anti-CD5 Antibody, hFc Tag with the EC50 19.6 ng/mL determined by ELISA.

Log Biotinylated Anti-CD5 Antibody, hFc Tag Conc.(μg/ml)