Datasheet for ABIN7274218
CD70 Protein (AA 39-194) (His tag)
2 Images


Overview

| Quantity: | $100 \mu \mathrm{~g}$ |
| :--- | :--- |
| Target: | CD70 |
| Protein Characteristics: | AA 39-194 |
| Origin: | Cynomolgus |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CD70 protein is labelled with His tag. |

Product Details

| Purpose: | Cynomolgus CD27 Ligand/CD70 Protein |
| :---: | :---: |
| Sequence: | Gln39-Pro194 |
| Characteristics: | Recombinant Cynomolgus CD27 Ligand/CD70 Protein is expressed from HEK293 with His tag at the N -Terminus. It contains Gln39-Pro194. |
| Purity: | > $95 \%$ as determined by Tris-Bis PAGE, |
| Sterility: | $0.22 \mu \mathrm{~m}$ filtered |
| Endotoxin Level: | Less than 1EU per $\mu \mathrm{g}$ by the LAL method. |
| Biological Activity Comment: | Immobilized Cynomolgus CD27 Ligand, His Tag at $2 \mu \mathrm{~g} / \mathrm{ml}$ ( $100 \mu \mathrm{l} /$ well) on the plate. Dose response curve for Cynomolgus/Rhesus macaque CD27, hFc Tag with the EC50 of 41.5ng/ml determined by ELISA. See testing image for detail. |

Target Details

| Target: | CD70 |
| :---: | :---: |
| Alternative Name: | CD27 Ligand (CD70 Products) |
| Background: | CD70, also named CD27 ligand (CD27L), is a type II transmembrane glycoprotein belonging to the TNF superfamily (TNFSF) and has been designated TNFSF7. CD70 is a cytokine that binds to CD27. Plays a role in T-cell activation. Induces the proliferation of costimulated T-cells and enhances the generation of cytolytic T-cells. |
| Molecular Weight: | 18.4 kDa. Due to glycosylation, the protein migrates to 60-90 kDa based on Tris-Bis PAGE result. |
| Pathways: | Cancer Immune Checkpoints |
| Application Details |  |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Lyophilized |
| Reconstitution: | Centrifuge the tube before opening. Reconstituting to a concentration more than $100 \mu \mathrm{~g} / \mathrm{mL}$ is recommended. Dissolve the lyophilized protein in distilled water. |
| Buffer: | Lyophilized from $0.22 \mu \mathrm{~m}$ filtered solution in PBS ( pH 7.4). Normally $8 \%$ trehalose is added as protectant before lyophilization. |
| Storage: | $-20{ }^{\circ} \mathrm{C},-80^{\circ} \mathrm{C}$ |
| Storage Comment: | -20 to $-80^{\circ} \mathrm{C}$ for 12 months as supplied from date of receipt., $-80^{\circ} \mathrm{C}$ for $3-6$ months after reconstitution., $2-8^{\circ} \mathrm{C}$ 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 |



Cynomolgus CD27 Ligand, His Tag ELISA
$0.2 \mu \mathrm{~g}$ Cynomolgus CD27 Ligand, His Tag Per Well


Log Cynomolgus/Rhesus macaque CD27, hFc Tag Conc.( $\mu \mathrm{g} / \mathrm{ml}$ )

## SDS-PAGE

Image 1. Cynomolgus CD27 Ligand/CD70 on Tris-Bis PAGE under reduced condition. The purity is greater than $95 \%$.

## ELISA

Image 2. Immobilized Cynomolgus CD27 Ligand, His Tag at $2 \mu \mathrm{~g} / \mathrm{mL}(100 \mu \mathrm{~L} /$ well) on the plate. Dose response curve for Cynomolgus/Rhesus macaque CD27, hFc Tag with the EC50 of $41.5 \mathrm{ng} / \mathrm{mL}$ determined by ELISA.

