

## Active Recombinant Human/Cynomolgus/Rhesus macaque CD28 protein, His-Avi-tagged, Low Endotoxin

**Cat. No.** CD28-5744H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human/Cynomolgus/Rhesus macaque CD28 protein(P10747-1)(Asn19-Pro152) is expressed from HEK293 with His tag and Avi tag at the N-Terminus.                                          |
| <b>Species</b>          | Human/Cynomolgus/Rhesus macaque                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 19-152 aa                                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).                                                                                                                                           |
| <b>Bio-activity</b>     | Immobilized Human/Cynomolgus/Rhesus macaque CD28, His Tag at 2 µg/ml (100 µl/Well) on the plate. Dose response curve for Anti-CD28 Antibody, hFc Tag with the EC50 of 23.9 ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 18.2 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Bis-Tris PAGE result.                                                                    |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.                                                                                                                                                           |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC                                                                                                                                      |
| <b>Storage</b>          | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after                                                                                                                 |

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reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Reconstitution** Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

**Gene Name** CD28 CD28 molecule [ Homo sapiens ]

**Official Symbol** CD28

**Synonyms** CD28; CD28 molecule; CD28 antigen (Tp44); T-cell-specific surface glycoprotein CD28; T cell specific surface glycoprotein; CD28 antigen; Tp44; MGC138290;

**Gene ID** 940

**mRNA Refseq** NM\_001243077

**Protein Refseq** NP\_001230006

**MIM** 186760

**UniProt ID** P10747

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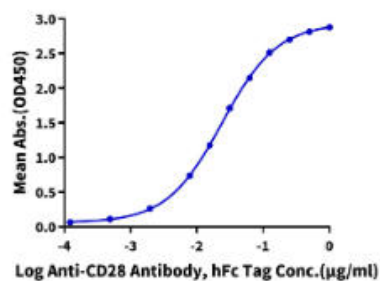
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## Bis-Tris PAGE



## ELISA Data

**Human/Cynomolgus/Rhesus macaque CD28, His Tag ELISA**  
0.2µg Human/Cynomolgus/Rhesus macaque CD28, His Tag Per Well



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