

Recombinant Human CD28 Protein, Alexa Fluor 555 conjugated

Cat. No. CD28-321HAF555 **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | Alexa Fluor 555 conjugated recombinant human CD28 (P10747-1) (Met 1-Pro 152) was expressed with six amino acids (LEVLFQ) at the C-terminus. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | 141 |
| Form | Lyophilized |
| Molecular Mass | The recombinant human CD28 consists of 141 amino acids and predicts a molecular mass of 15.9 kDa. It migrates as an approximately 23 kDa band in SDS-PAGE under reducing conditions. |
| N-terminal Sequence Analysis | Asn 19 |
| Endotoxin | < 1.0 EU/ µg of the protein as determined by the LAL method. |
| Purity | > 90 % as determined by SDS-PAGE |
| Characteristic | Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines |

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With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.

Stability

Samples are stable for up to 12 months from date of receipt at -70 centigrade.

Storage

Store it under sterile conditions at -20 to-70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer

Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

Conjugation

Alexa Fluor 555

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

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| MIM | 186760 |
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| UniProt ID | P10747 |
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