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Data Sheet

CD28

Human, recombinant, Fc fusion protein
Catalog #: 71113
Lot#: 180530 Conc.: 0.69 mg/ml

Formulated in: 8 mM Phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol.

Stability: >6 months at –80°C. *Avoid freeze/thaw cycles. Protein may be diluted to ≥ 100 µg/ml in PBS + glycerol and stored at -80°C.*

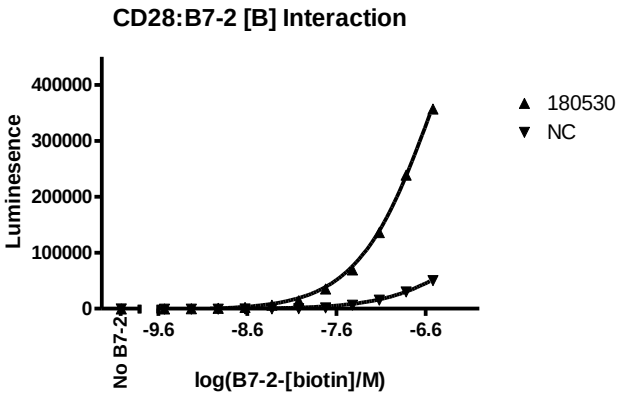
References:

1. Byrum, J.N., Van Komen, J.S., Rodgers, W., *J. Immunol.* 2013 Sep 15;**191(6):**3073-3081.
2. Legat, A., *et al., Front Immunol.* 2013 Dec 19;**4:**455.

Description:
Human secreted CD28-Fc fusion protein, also known as TP44, GenBank Accession No. NM_006139, a.a 19-152, expressed in a HEK293 cell expression system. MW = 41.4 kDa (monomer). This protein runs at a higher M.W. by SDS-PAGE due to glycosylation.

Application:
Useful for the study of protein-protein interaction and in vitro and in vivo protein function studies.

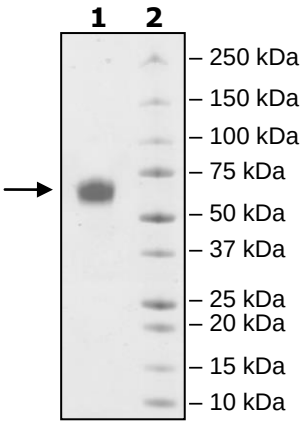
Quality Assurance



4-20% SDS-PAGE
Coomassie staining

Lane 1:
2 µg CD28-Fc
Lane 2:
Protein Marker

MW: 41.4 kDa + glycans
Purity: ≥90%



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Sequence:

NKILVKQSPMLVAYDNAVNLSCKYSYNLFSREFRASLHKGLDSAVEVCVVYGNYSQQ
LQVYSKTGFNCDGKLGNESVTFYLQNLYVNQTDIYFCKIEVMYPPPYLDNEKSNGTIIH
VKGKHLCPSPLFPGPSKPDMDPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMI
SRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLH
QDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLV
KGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCS
VMHEALHNHYTQKSLSLSPGK

Black: CD28 (a.a. 19-152)
Green: linker
Red: Fc of human IgG1 (a.a.100-330)

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