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Data Sheet

B7-2 (CD86)

Human, recombinant, Fc fusion protein
Catalog #: 71150
Lot#: 140422 Conc.: 1.55 mg/ml

Formulated in: 40 mM Tris, pH 8.0, 110 mM NaCl, 2.4 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.*

Endotoxin Level: <0.1 EU/µg

Description:
Human secreted B7-2, Fc fusion protein, also known as T-lymphocyte activation antigen CD86, B7.2, FUN-1, B70, BU63, and CD86. GenBank Accession No. NM_006889, a.a. 20-239 expressed in a HEK293 cell expression system. MW = 51.9 kDa (monomer). This protein runs at a higher MW by SDS-PAGE due to glycosylation.

Application:
Useful for studying protein binding and screening small molecules.

References:

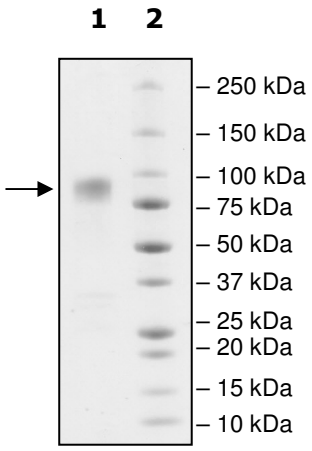
1. Ertelt, J.M., *et al. J. Leukocyte Biol.* 2013; **94(2)**: 367-376.
2. Kuchroo, V.K., *et al., Cell.* 1995; **80(5)**:707-718.

Quality Assurance

4-20% SDS-PAGE
Coomassie staining

Lane 1:
2 µg B7-2
Lane 2:
Protein Marker

MW: 51.9 kDa + glycans
Purity: ≥90%



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Sequence

LKIQAYFNETADLPCQFANSQNQSLSELVVFWQDQENLVLNEVYLGKEKFDSVHSKY
MGRTSFDSDSWTLRLHNLQIKDKGLYQCIIHHKKPTGMIRIHQMNSELSVLANFSQPEI
VPISNITENVYINLTCSSIHGYPEPKKMSVLLRTKNSTIEYDGIMQKSQDNVTELYDVSIS
LSVSFPDVTSNMTIFCILETDKTRLLSSPFSIELEDPQPPPDHDIEGRMDPKSCDKTHTC
PPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEV
HNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQ
PREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDS
DGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

Black: B7-2 (a.a. 20-239)
Green: linker
Red: Fc of human IgG1 (a.a. 100-330)

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