

B7-2/CD86 Protein, Mouse (HEK293, His)

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| Cat. No.: | HY-P7638 |
| Synonyms: | rMuB7-2, His; T-lymphocyte activation antigen CD86; Activation B7-2 antigen; Early T-cell costimulatory molecule 1; ETC-1; CD86 |
| Species: | Mouse |
| Source: | HEK 293 |
| Accession: | P42082 (V24-K244) |
| Gene ID: | 12524 |
| Molecular Weight: | 35-85 kDa |

PROPERTIES

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| AA Sequence | <pre>V S V E T Q A Y F N G T A Y L P C P F T K A Q N I S L S E L V V F W Q D Q Q K L V L Y E H Y L G T E K L D S V N A K Y L G R T S F D R N N W T L R L H N V Q I K D M G S Y D C F I Q K K P P T G S I I L Q Q T L T E L S V I A N F S E P E I K L A Q N V T G N S G I N L T C T S K Q G H P K P K K M Y F L I T N S T N E Y G D N M Q I S Q D N V T E L F S I S N S L S L S F P D G V W H M T V V C V L E T E S M K I S S K P L N F T Q E F P S P Q T Y W K H H H H H H</pre> |
| Biological Activity | Data is not available. |
| Appearance | Lyophilized powder. |
| Formulation | Lyophilized after extensive dialysis against PBS, pH 7.4. |
| Endotoxin Level | <1 EU/μg, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O or PBS. |
| Storage & Stability | Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

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| Background | The inhibition of CD28 interactions with B7-2 molecules may represent a novel therapeutic target for the treatment of lung mucosal allergic inflammation. B7-2, but not B7-1, is upregulated on lung B cells after allergen provocation ^{[1][2]} . |
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REFERENCES

[1]. K S Hathcock, et al. Comparative analysis of B7-1 and B7-2 costimulatory ligands: expression and function. J Exp Med. 1994 Aug 1;180(2):631-40.

[2]. S Tsuyuki, et al. Costimulation through B7-2 (CD86) is required for the induction of a lung mucosal T helper cell 2 (TH2) immune response and altered airway responsiveness. J Exp Med. 1997 May 5;185(9):1671-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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