PRODUCT INFORMATION

Expression system HEK293

Domain 25-262aa

UniProt No. 068D85

NCBI Accession No. NP 001189368.1

Alternative Names

Natural cytotoxicity triggering receptor 3 ligand 1, B7 homolog 6, NCR3LG1, B7H6, DKFZp686O24166

PRODUCT SPECIFICATION

Molecular Weight 53.6kDa (477aa)

Concentration 0.5mg/ml (determined by Absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level < 1 EU per 1ug of protein (determined by LAL method)

Biological Activity

Measured by its binding ability in a functional ELISA with Human NCR3. The ED50 range \leq 500 ng/ml.

Tag hlgG-His-Tag

Application SDS-PAGE, Bioactivity

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

B7-H6, also known as NCR3LG1, is a member of the B7 family of immune co-stimulatory proteins. B7-H6 is as a



cell-surface ligand for the NKp30-activating receptor expressed on natural killer cells. It is expressed on a wide range of hematopoietic, carcinoma, and melanoma tumor cells, and is consistent with the detection of NKp30 binding sites on many tumors. The expression of NKp30 ligands on tumor cells correlates with tumor cell sensitivity to NKp30-dependent cell lysis. Recombinant human B7-H6, fused to hlgG-His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.

Amino acid Sequence

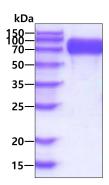
DLKVEMMAGG TQITPLNDNV TIFCNIFYSQ PLNITSMGIT WFWKSLTFDK EVKVFEFFGD HQEAFRPGAI VSPWRLKSGD ASLRLPGIQL EEAGEYRCEV VVTPLKAQGT VQLEVVASPA SRLLLDQVGM KENEDKYMCE SSGFYPEAIN ITWEKQTQKF PHPIEISEDV ITGPTIKNMD GTFNVTSCLK LNSSQEDPGT VYQCVVRHAS LHTPLRSNFT LTAARHSLSE TEKTDNFS<LE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG KHHHHHH>

General References

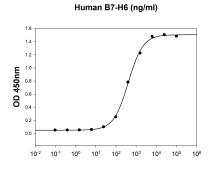
Brandt C.S., et al. (2009) J. Exp. Med. 206:1495-1503. Zou, W., et al. (2008) Nat Rev Immunol. 8:467-477. Byrd A., et al. (2007) PLoS ONE. 2:e1339.

DATA

SDS-PAGE







3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

Human NCR3 is coated at 2 ug/ml (100 ul/well) can bind Human B7-H6. The ED50 range \leq 500 ng/ml.