

Epitope peptide of human IL-18 mAb R-I-001

Category protein and peptide
Catalog No. P-I-002

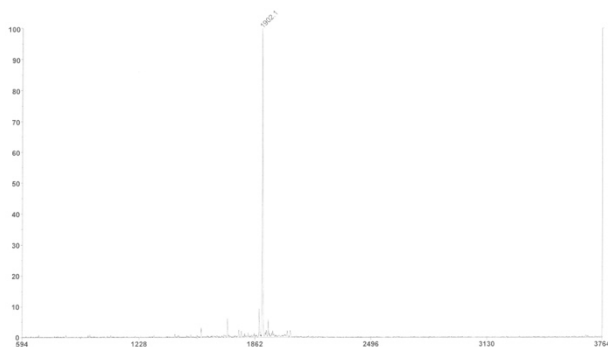
Product information

Sequence [H]-Q-G-N-R-P-L-F-E-D-M-T-D-S-G-S-G-S-C-[OH]
human IL-18⁶⁰⁻⁷² (epitope sequences are underlined)
with an additional C-terminal linker and Cys

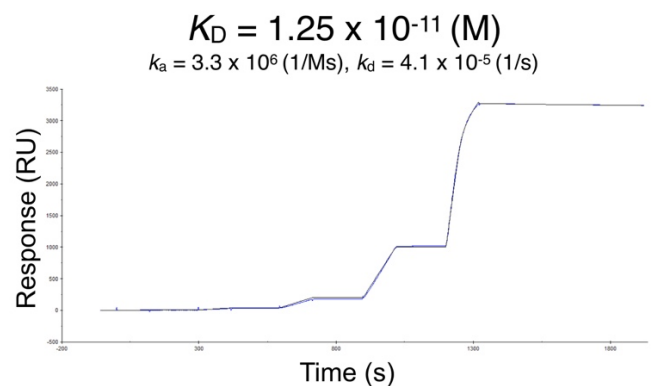
UniProt ID Q14116
Synonyms IGIF, IL1F4
Gene ID 3606

Lot No. 001
Size 1 mg
Condition a lyophilized powder
Purity >95%, by MS analysis
Storage Store at room temperature in a desiccator upon receipt.
Storage in buffer is NOT recommended.
For up to one week, you can store peptides in solution at 4°C.
For short term storage (up to one months), solubilize in buffer and aliquot, then store frozen at -20°C to avoid freeze-thaw cycles.
For long term storage -80°C is recommended.

Mass spectrometry



SPR analysis



Background

This gene encodes a member of the interleukin-1 (IL-1) family of cytokines. In addition to its role in the inflammatory response to microbes, recent studies implicate IL-18 as an important factor in human autoimmune, autoinflammatory, allergic, neurological and metabolic diseases. Similar to IL-1 β , pro-IL-18 is processed by inflammatory caspase-1 or caspase-4 to yield mature, active form (IL-18³⁷⁻¹⁹³).

References for IL-18 epitope peptide of R-I-001 (P-I-002)

PMID:	30615852	Journal:	Archives of Biochemistry and Biophysics
		IF (2020):	4.013
Title:	Generation and characterization of antagonistic anti-human interleukin (IL)-18 monoclonal antibodies with high affinity: Two types of monoclonal antibodies against full-length IL-18 and the neoepitope of the inflammatory caspase-cleaved active IL-18		