Description



PRODUCT INFORMATION

Target IL-2

Interleukin-2;IL-2;T-Cell Growth **Synonyms** Factor;TCGF;Aldesleukin;IL2

Recombinant Human Interleukin-2 Superkine is produced by our Mammalian expression system and the target gene encoding Ala21-Thr153 (L100F, R101D, L105V, I106V, I112F) is expressed with a 6His tag at the C-terminus.

Delivery In Stock P60568 **Uniprot ID Expression Host HEK293** C-6×His Tag Tag Molecular Not available Characterization

Molecular Weight 16.5 KDa

Greater than 95% as determined by reducing **Purity**

SDS-PAGE.

Formulation & Lyophilized from a 0.2 µm filtered solution of 4mM

Reconstitution

Storage & Shipping

Background

Store at -20°C to -80°C for 12 months in

lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

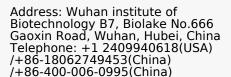
Interleukin-2(IL-2) is an interleukin, a type of cytokine signaling molecule in the immune system, belongs to the IL-2 family. It is a powerful immunoregulatory lymphokine produced by Tcells in response to antigenic or mitogenic stimulation. IL-2/IL-2R signaling is required for Tcell proliferation and other fundamental functions

that are essential for the immune response. IL-2 stimulates growth and differentiation of B-cells, NK cells, lymphokine-activated killer cells, monocytes, macrophages and oligodendrocytes.

New research has shown that IL-2 mutant reduced toxicity while being more potent at stimulating anti-tumor effector immune cells.

Research use only **Usage** Conjugate Unconjugated

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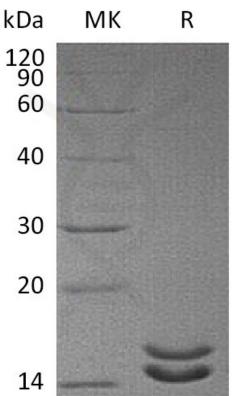


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

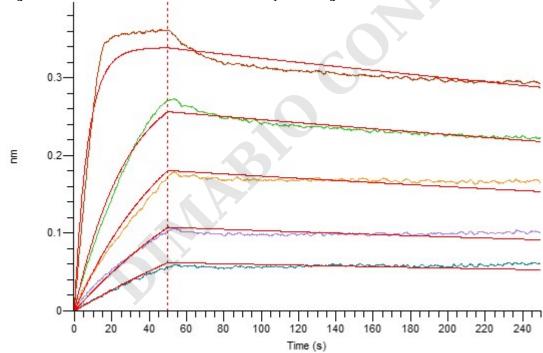
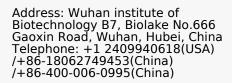
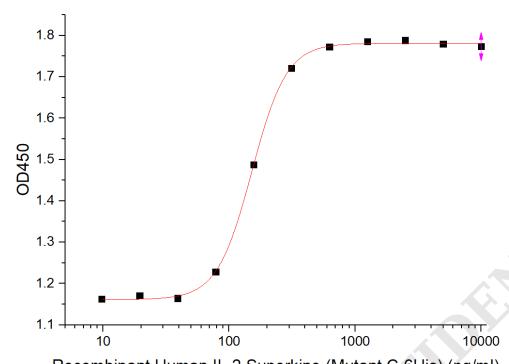


Figure 2. Loaded Human IL-2RB-Fc on Protein A Biosensor, can bind Human IL-2 Superkine with an affinity constant of 0.58 nM as determined in BLI assay.









Recombinant Human IL-2 Superkine (Mutant, C-6His) (pg/ml)

Figure 3. Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The ED50 for this effect is 151.39 pg/ml.

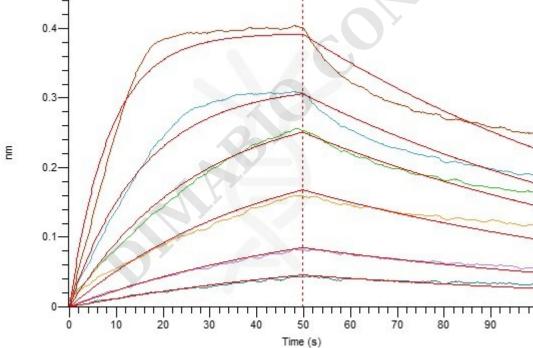


Figure 4. Loaded Human IL-2RA-Fc on Protein A Biosensor, can bind Human IL-2 Superkine with an affinity constant of 10.4 nM as determined in BLI assay.

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