

Cytokines

CHASELECTION IL-15 Pro

IL-15 with ultra-high bioactivity

Product Introduction

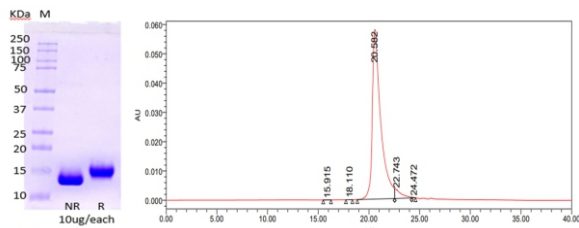
IL-15 Pro is a modified interleukin 15 with ultra-high bioactivity obtained by precise molecular design, which solves the problem of poor stability and easy formation of isoforms during IL-15 production. The purification process of IL-15 Pro does not rely on reversed-phase chromatography and can make IL-15 Pro more stable in solution. IL-15 Pro shows a 100-fold increase in affinity for IL-15 receptor and a 20-fold increase in NK cell proliferation compared with the wt IL 15.

Product Advantages

- High activity for better cell stimulation
- Less likely to form isomers and more stable for batch to batch use
- High purity, more specificity
- GMP Grade available

Test Data

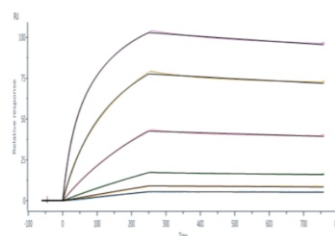
1. SDS-PAGE and SEC-HPLC purity determination



IL-15 Pro SDS-PAGE (left) and SEC-HPLC (right) purity analysis

Non-reduced and reduced SDS-PAGE results showed that molecular weight of IL-15 Pro was about 15 kDa, and no protein impurity was detected (left); SEC-HPLC showed protein with high purity, and no aggregate formation (right).

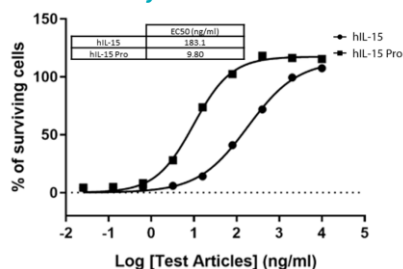
2. L-15 Pro binding activity determination



Solubility comparison of IL-2Pro and IL-2

SPR result showed that L-15 Pro's affinity for IL-15 receptor was increased by 100-fold that of wt IL-15.

3. IL-15 Pro cell viability determination



Ability of IL-15 Pro to induce proliferation of NK92 cells and data comparison with wild-type L-15

IL-15 Pro was able to increase the proliferation of NK cells (NK92) by 20 fold than wt IL-15.

Order Options

Name	Grade	Cat No.	Size (μg)
IL-2 Pro	RUO(Research Use Only) Grade	CY017F0020	20
		CY017F050	50
	GMP Grade	CYG017F0050	50
		CYG017F0500	500
IL-15 Pro	RUO(Research Use Only) Grade	CY018F0020	20
		CY018F050	50
	GMP Grade	CYG018F0050	50
		CYG018F0500	500