

CytoGrow™ Recombinant IL-13 (Human)

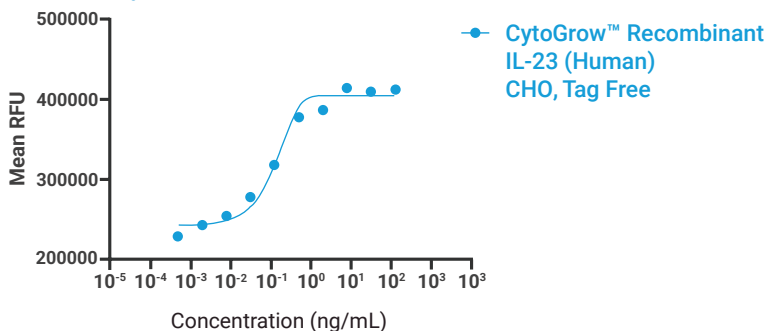
Catalog Numbers: CG44-A, CG044-B, CG044-C

Revision 1.0

Specifications

Synonym	Interleukin-13; IL-13
Species	Human
Size	10µg/50µg/1mg
Tag	Tag Free
Purity	≥95%
Endotoxin	≤100 EU/mg
Expression System	CHO
Expression Region	Gly35-Asn146
pH	7.0-8.0
Appearance	
Formulation	Lyophilized
Shipping	US - Ships overnight
Reconstitution	Recommended to redissolve in sterile deionized water.
Storage and Stability	Lyophilized state: 36 months at -20°C to -80°C After reconstitution and under sterile conditions. 6 months at -20°C to -80°C 7-10 days at 2°C to 8°C Store in a manual defrost freezer and avoid repeated freeze-thaw cycles.

Bioactivity



The activity is determined by a cell proliferation assay using TF-1 cells. The ED₅₀ is ≤1.0 ng/mL, corresponding to a specific bioactivity of ≥1 × 10⁶ U/mg.

Reconstitution

1. Reconstitute protein to concentrations of 100 µg/mL or higher.
2. Use sterile deionized water to solubilize the lyophilized protein.
3. Gently tap glass vial to help collect the powder to the bottom.
4. Add desired amount of buffer, observe after 2 min. Gentle agitation by hand may be required.
5. Prepare aliquots of solution. Freeze at -20°C to -80°C to avoid repeated freeze thaw cycles.