

IL-15 alternative peptide

Code: PG-013

MW (Acetate): 5855.61

Purity: ≥95% (HPLC)

Amount: 10 µg

Formulation: This vial contains 10 µg of the titled compound, which has been lyophilized from 0.2 µm filtered DMSO solution.

Reconstitution: Reconstitute at 100~200 µg/mL in **DMSO**

Centrifuge the vial before opening.

Rinse the inside of the vial thoroughly with DMSO.

When further diluting the DMSO solution, we recommend using a buffered solution (e.g., PBS) with a carrier component to prevent peptide adhesion.

<Example>

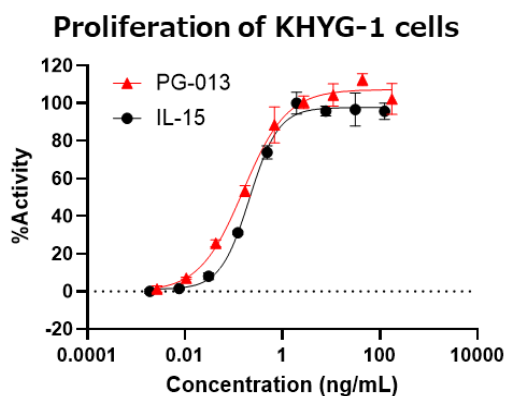
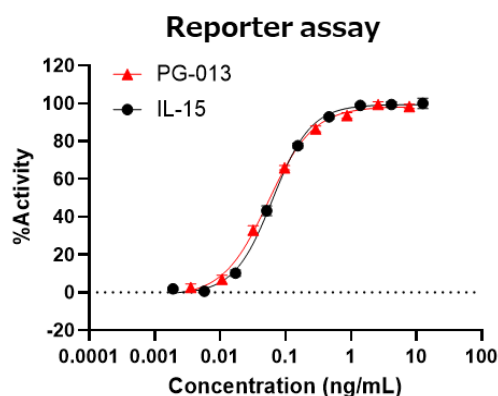
A 100 µg/mL solution can be prepared by reconstituting 10 µg of peptide in 100 µL DMSO.

Storage: Store at -20°C or below for the container vial unopened.

Recommend to use the peptide as quickly as possible after opening and reconstitution.

Activity: Measured by assessing reporter assay in the downstream signaling of the JAK1/3-STAT5 pathway. Additionally, cell proliferation activity was evaluated using human NK cell line, KHYG-1 cells. **The expected ED50 for these effects is 0.05~0.2 ng/mL.**

Evaluation Guideline: PG-013 is anticipated to have comparable activity to rhIL-15 when expressed on a ng/mL basis. To identify the optimal concentration under the specified test conditions, begin at the same concentration used for rhIL-15 and evaluate a dose series centered on that value (suggested points: 1/3x, 1x, and 3x).



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