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Human IL-12/IL-12A&IL-12B Recombinant Protein (85-326)

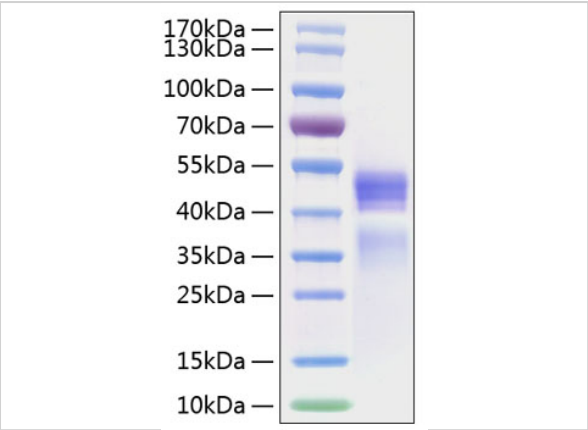
CATALOG NUMBER: 85-326

Specifications

Species	Human
Source Species	HEK293 cells
Fusion Tag	C-His(IL12B)&C-Flag(IL12A)
Tested Applications	Bioactivity Test, ELISA, Immunogen, SDS-PAGE, WB
Predicted Molecular Weight	25.54 kDa(IL-12A), 35.54 kDa(IL-12B)
Biological Activity	1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human IL-12 at 1 μg/mL (100 μL/well) can bind Recombinant Human IL12Rβ1 with a linear range of 30.6-122.4 ng/mL. 2.Measured in a cell proliferation assay using anti-CD3 antibody activated Human T lymphocyte leukemia cells (jurkat). The ED_{50} for this effect is typically 0.1-0.4 ng/mL, corresponding to a specific activity of 2.5×10^6-1.0×10^7units/mg. 3.Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED_{50} for this effect is 2-8 ng/mL, corresponding to a specific activity of 1.25×10^5~5×10^5 units/mg.

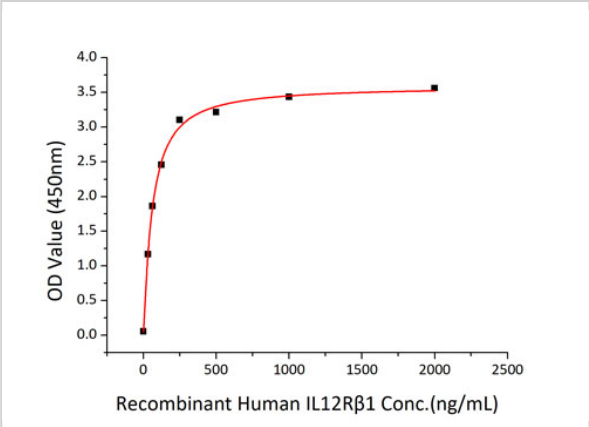
Properties

Purity	≥ 95 % as determined by SDS-PAGE.
Physical State	Lyophilized
Buffer	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.
Storage Conditions	Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.



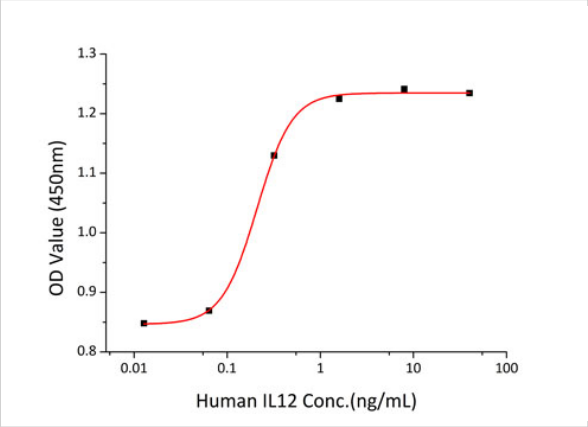
85-326_1

Recombinant Human IL-12/IL-12A&IL-12B Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



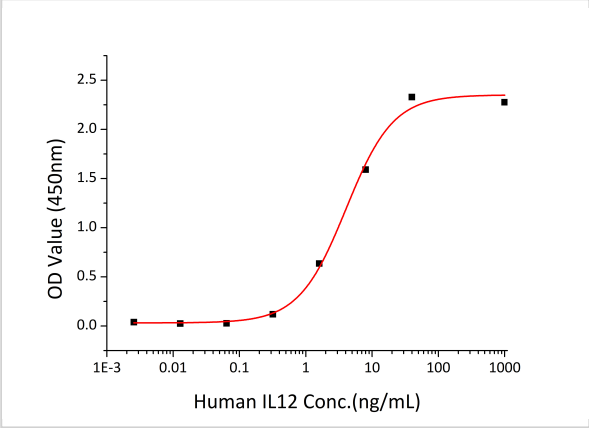
85-326_2

Immobilized Recombinant Human IL-12 at 1μg/mL (100 μL/well) can bind Recombinant Human IL12Rβ1 with a linear range of 30.6-122.4 ng/mL.



85-326_3

Recombinant Human IL-12 promotes the proliferation of anti-CD3 antibody activated Human T lymphocyte leukemia cells (jurkat). The ED_{50} for this effect is typically 0.1-0.4 ng/mL, corresp...



85-326_4

Recombinant Human IL-12/IL-12A&IL-12B induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED_{50} for this effect is 2-8 ng/mL, corresponding to a specific a...

Disclaimer

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