

Human IL-12/IL-12A & IL-12B protein (Recombinant) (C-His (IL12B) & C-Flag (IL12A)) (STJP002737)

STJP002737

GENERAL INFORMATION

Product Type Proteins
Short Description
Host/Source HEK293 cells

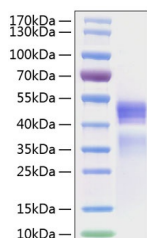
PRODUCT PROPERTIES

Concentration
Formulation Lyophilised from a 0.22 Mu m filtered solution of PBS, pH 7.4.
Purification
Dilution Range > 95% by SDS-PAGE.
Storage Instruction Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

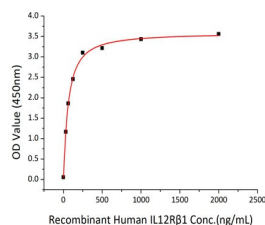
TARGET INFORMATION

Gene ID [3592](#)
[3593](#)
Gene Symbol [IL12A](#)
[IL12B](#)
Uniprot ID [IL12A_HUMAN](#)
[IL12B_HUMAN](#)

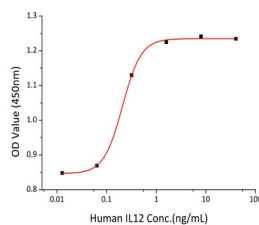
Immunogen Sequence



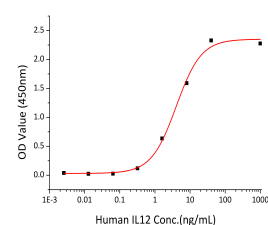
Active Recombinant Human IL-12A&IL-12B Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 37 kDa and 40-55 kDa.



Immobilized Recombinant Human IL-12 at 1 Mu g/mL (100 Mu L/well) can bind Recombinant Human IL12R Beta 1 with a linear range of 30. 6-122. 4 ng/mL.



Recombinant Human IL-12 promotes the proliferation of anti-CD3 antibody activated Human T lymphocyte leukemia cells (jurkat). The ED₅₀ for this effect is typically 0. 1-0. 4 ng/mL, corresponding to a specific activity of 2. 5A 10⁶ sup>6</sup> sup>1. 0A 10⁶ sup>7</sup> sup>units/mg.



Recombinant Human IL-12/IL-12A&IL-12B induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED₅₀ for this effect is 2-8 ng/mL, corresponding to a specific activity of 1. 25A 10⁶ sup>5</sup> sup>1. 0A 10⁶ sup>5</sup> sup>units/mg.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.
St John's Laboratory Ltd, Knowledge Dock Business Centre, University Way, London, E16 2RD | Tel: 0208 223 3081