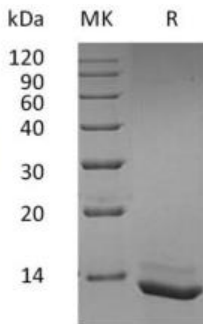
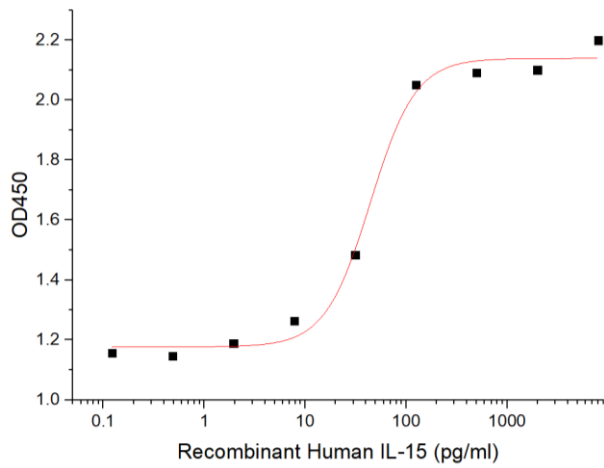


Recombinant Human IL-15

Catalog#:P00025 Derived from *E.coli*

DESCRIPTION	Recombinant Human Interleukin-15 is produced by our E.coli expression system and the target gene encoding Asn49-Ser162 is expressed. Accession#: P40933 Known as: Interleukin-15;IL-15;IL15
FORMULATION	Lyophilized from a 0.2 μm filtered solution of 20mM PB,150mM NaCl, pH 7.0.
SHIPPING	The product is shipped at ≤ -20°C temperature. Upon receipt, store it immediately at the temperature listed below.
STORAGE	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
RECONSTITUTION	<i>Always centrifuge tubes before opening.Do not mix by vortex or pipetting.</i> <i>It is not recommended to reconstitute to a concentration less than 100μg/ml.</i> Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
QUALITY CONTROL	Mol Mass: 12.5 KDa AP Mol Mass: 12 KDa, reducing conditions. Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: < 0.01 EU/μg as determined by LAL test.
BACKGROUND	Human Interleukin 15 (IL-15) is a cytokine that regulates T cell and natural killer cell activation and proliferation. IL-15 binds to the alpha subunit of the IL15 receptor (IL-15RA) with high affinity. IL-15 also binds to the beta and gamma chains of the IL-2 receptor, but not the alpha subunit of the IL2 receptor. IL-15 is structurally and functionally related to IL-2. Both cytokines share some subunits of receptors, allowing them to compete for and negatively regulate each other's activity. The number of CD8+ memory T cells is controlled by a balance between IL-15 and IL-2. Despite their many overlapping functional properties, IL-2 and IL-15 are, in fact, quite distinct players in the immune system. IL-15 is constitutively expressed by a wide variety of cell types and tissues, including monocytes, macrophages and DCs. Mature Human IL-15 shares 70% amino acid sequence identity with Mouse and Rat IL-15.
	<div style="text-align: center;">  <p>SDS-PAGE</p> </div>

Bioactivity-Cell Based Assay:



Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The ED50 for this effect is 40-200 pg/ml.