

IL-9, Human CellExp™, human recombinant

CATALOG #:	6465-10	10 µg
	6465-50	50 µg
ALTERNATE NAMES:	P40, HP40, T-cell growth factor p40, IL-9, P40 cytokine.	
SOURCE:	Human 293 Cell Expressed	
PURITY:	> 95% by SDS - PAGE	
MOL. WEIGHT:	38 to 48 kDa, monomer, glycosylated	
ENDOTOXIN LEVEL:	< 1.0 EU per 1 µg of protein	
FORMULATION:	Lyophilized from a PBS solution.	
RECONSTITUTION:	Reconstitute in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.	
STORAGE CONDITIONS:	Aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.	

ADVANTAGES:

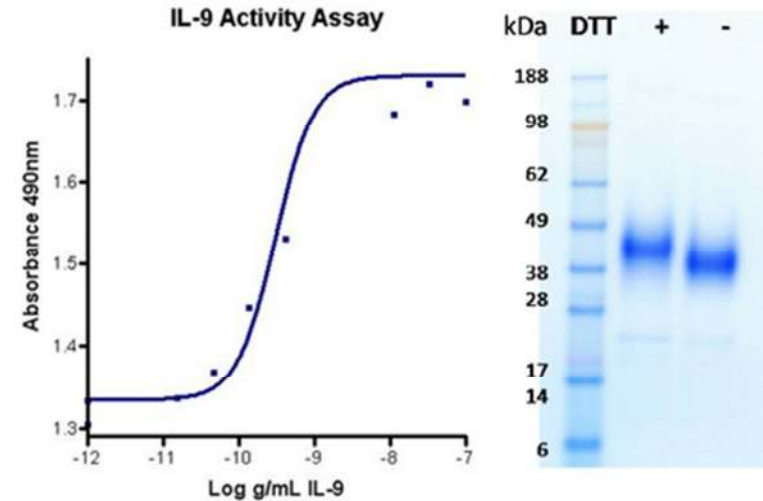
- Animal-derived product free
- High Activity
- Authentic Glycosylation

DESCRIPTION:

Interleukin 9 (IL-9) is cytokine produced by a subgroup of helper T cells, known as Th2 cells. IL-9 signals through its receptor IL-9R to induce cell proliferation and survival. Genetically, IL-9 has been identified as a gene associated with asthma. It is also thought to be a regulator of hematopoiesis. It has been shown to enhance the growth of human mast cells and megakaryoblastic leukemic cells as well as murine helper t-cell clones.

BIOLOGICAL ACTIVITY:

ED₅₀ is typically 0.03 to 0.2 ng/mL. The specific activity was determined by the dose-dependent stimulation of the proliferation of human MO7e cells (human megakaryoblastic leukemia cell line).



Human Cell^{exp} Human Recombinant IL-9

RELATED PRODUCTS:

- IL-9, human recombinant (Cat # 4152-10, -50, -1000)
- IL-9, murine recombinant (Cat # 4153-10, -1000)

FOR RESEARCH USE ONLY! Not to be used in humans.