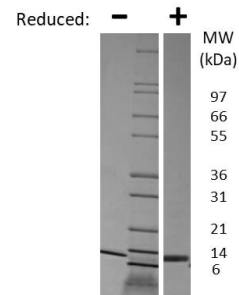
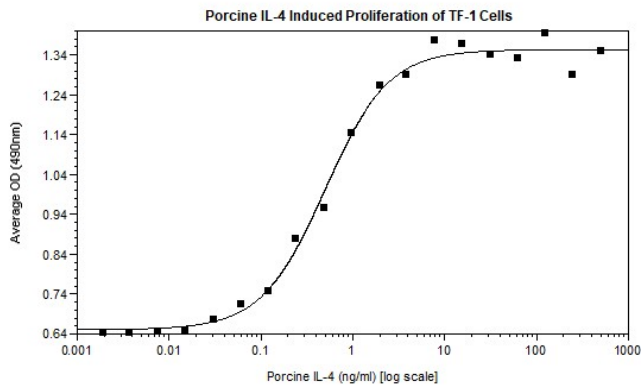


IL4

Porcine IL-4, Animal Free

Catalog No.	CS804A-AF CS804B-AF CS804C-AF	Quantity:	20 µg 100 µg 1 mg
Alternate Names:	Interleukin-4, B-cell stimulatory factor-1, BSF-1, BCDF, BCGF		
Description:	Interleukin 4 (IL-4) is an immunomodulatory cytokine that functions to induce naïve helper T cells to differentiate into type 2 T helper (Th2) cells. Th2 cells subsequently produce more IL-4 in a positive feedback loop. IL-4 also promotes immunoglobulin IgG to IgE isotype switching on B cells. IL-4 binds the IL-4Rα receptor to activate STAT6 signaling.		
GeneID:	397225		
UniProt ID:	Q04745		
Source:	<i>E.coli</i> Manufactured without Animal-derived products, in an Animal Free facility.		
Molecular Weight:	12.7 kDa (110 aa) monomer		
Formulation:	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5		
Purity:	≥ 95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤ 1 EU/µg by kinetic LAL		
Biological Activity:	ED ₅₀ ≤ 2 ng/ml, determined by TF-1 cell proliferation.		
Specific Activity:	≥ 5.0 x 10 ⁵ units/mg		
Amino Acid Sequence:	MHKCDITLQE IIKTLNILTA RKNSCMELPV TDVFAAPENT TEKETF CRAS TVLRHIYRHH TCMKSLLSGL DRNLSSMANM TCSVHEAKKS TLKDFLERLK TIMKEKYSKC		
Reconstitution:	Centrifuge vial before opening. Add sterile water at 0.1 mg/ml. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws.		
Storage & Stability:	Lyophilized product is stable at room temperature for shipping purposes. Upon receipt, store at -20°C to -80°C for up to 1 year. Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, prepare working aliquots and store at -20 to -80°C. For maximal stability, dilute to working aliquots in a 0.1% BSA solution. Avoid repeated freeze-thaw cycles.		





Porcine IL-4 Gel

Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Porcine IL-4 is predicted to have a MW of 12.7 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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