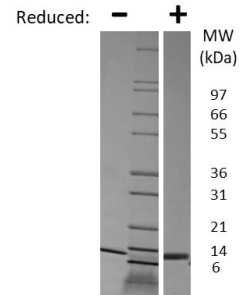
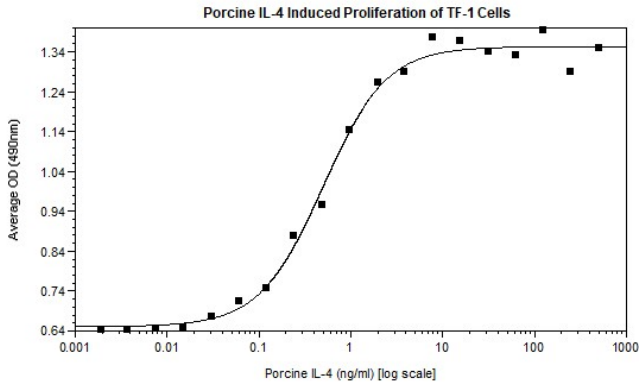


## IL4

### Porcine IL-4

<b>Catalog No.</b>	CS804A CS804B CS804C	<b>Quantity:</b>	20 µg 100 µg 1 mg
<b>Alternate Names:</b>	Interleukin-4, B-cell stimulatory factor-1, BSF-1, BCDF, BCGF		
<b>Description:</b>	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-4Ra receptor to activate STAT6 signaling.		
<b>GeneID:</b>	397225		
<b>UniProt ID:</b>	Q04745		
<b>Source:</b>	<i>E.coli</i>		
<b>Molecular Weight:</b>	12.7 kDa (110 aa) monomer		
<b>Formulation:</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5		
<b>Purity:</b>	≥ 95% by reducing and non-reducing SDS-PAGE		
<b>Endotoxin Level:</b>	≤ 1 EU/µg by kinetic LAL		
<b>Biological Activity:</b>	ED <sub>50</sub> ≤ 2 ng/ml, determined by TF-1 cell proliferation.		
<b>Specific Activity:</b>	≥ 5.0 x 10 <sup>5</sup> units/mg		
<b>Amino Acid Sequence:</b>	MHKCDITLQE IIKTLNILTA RKNSCMELPV TDVFAAPENT TEKETF CRAS TVLRHIYRHH TCMKSLLSGL DRNLSSMANM TCSVHEAKKS TLKDFLERLK TIMKEKYSKC		
<b>Reconstitution:</b>	<b>Centrifuge vial before opening.</b> Add sterile water at 0.1 mg/ml. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. <b>DO NOT VORTEX.</b> 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.		
<b>Storage &amp; Stability:</b>	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. <b>Avoid repeated freeze-thaw cycles.</b>		





#### 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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