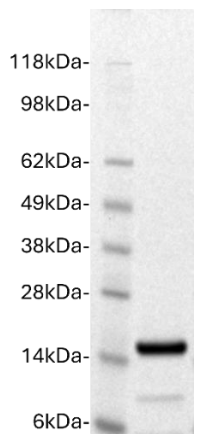


Interleukin-2 (IL-2) is a cytokine signaling molecule that regulates white blood cells. It is produced primarily by T cells after activation by an antigen. IL-2 signals through the IL-2 receptor which leads to the activation of at least 2 major signaling pathways which mediate cell growth, survival, activation induced cell death and differentiation. A pro-inflammatory cytokine, IL-2 activates T cells to produce TNF α as well as IFN γ and controls immune response by contributing to the development of regulatory T cells. Therefore IL-2 plays an important role in antigen specific immune responses.

Description	
Source	E. coli, Ala21-Thr155, with N-terminal His Tag
UniProt	Q29416
Purity	>90% by SDS-PAGE
Predicted Molecular Mass	17.5 kDa
SDS-PAGE	16 kDa
Formulation	Lyophilized from 1X PBS with Trehalose
Preparation and Storage	
Reconstitution	Reconstitute at 10 µg/mL in sterile PBS containing at least 0.1% protein
Shipping	Ambient
Storage	2 years at -80°C; 2 years at -20°C or 4°C Upon reconstitution: 2 years at -80°C; 2 years at -20°C
Expiration	See lot specific CoA
	Canine IL-2 (2µg) on a Coomassie stained 4-12% SDS-PAGE gel, reducing conditions.

Ampersand Biosciences products may not be sequenced, reverse engineered, or investigated in any way to determine composition without the expressed written consent of Ampersand Biosciences.

For Research Use Only

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