



# Human Alanyl-tRNA Synthetase (PL-12) [His] (DAG4861)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Species	Human
Purity	>90% as determined by SDS-PAGE
Conjugate	His
Applications	WB, ELISA
Molecular Weight	108 kDa
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements
Size	50 µg
Preservative	None
Storage	2-8°C short term, -20°C long term

## BACKGROUND

Introduction	Alanyl-tRNA synthetase is a member of the aminoacyl-tRNA synthetase family, key enzymes of protein biosynthesis which charge tRNA molecules with the respective amino acids. This 108 kDa protein is an autoantigen recognized by PL-12 antibodies which occur in a subset of patients with polymyositis and dermatomyositis. Preliminary data suggest that epitope spreading occurs in the autoimmune PL-12 response such that even antibodies to an isolated alanyl-tRNA molecule can develop
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**Keywords**

Alanyl-tRNA synthetase; PL-12

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