



Recombinant Human IA2 (DAG-WT1345)

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

PRODUCT INFORMATION

Purity	> 90% as determined by SDS-PAGE
Conjugate	His
Applications	ELISA, CLIA, CG
Format	Liquid
Size	1 mg
Buffer	20 mM Tris-HCl, pH 8.0, 50% glycerol
Preservative	None
Storage	Store at -20°C

BACKGROUND

Introduction	IA2, a member of the protein tyrosine phosphatases family is localized in the dense granules of pancreatic beta cells and the second defined recombinant islet cell antigen. IA2 shares sequence identity with the islet cell antigen 512. The higher frequency of antibodies to IA2 is explained by the presence of autoantibodies directed to the COOH terminus of IA2 which is lacking in the ICA512 molecule. IA2 autoantibodies are present in the majority of individuals with new-onset type 1 diabetes and in individuals in the pre-diabetic phase of the disease. The appearance of autoantibodies to IA2 seems to be correlated with the rapid progression to overt type 1 diabetes.
--------------	---

Keywords	IA2; IA-2 protein; PTPRN; Tyrosine-phosphatase 2 protein
----------	--