

Rev03
Update: Feb,10,2022

DATASHEET

InsB 9-23

Cat. No.: RP20391

Overview

Description	This insulin B-chain peptide binds to a class II histocompatibility complex (MHC) allele called I-Ag7. A number of autoimmune diseases has been linked to class II proteins encoded by the MHC. Type 1 diabetes, or insulin-dependent diabetes mellitus, is a T cell-mediated disease that results in autoimmune destruction of pancreatic β cells leading to hyperglycemia. This insulin B peptide may be a self-antigen candidate that could initiate the disease. Immunization with this peptide in mice led to autoantibodies and insulinitis.
Sequence	{Ser}{His}{Leu}{Val}{Glu}{Ala}{Leu}{Tyr}{Leu}{Val}{Cys}{Gly}{Glu}{Arg}{Gly}
Sequence Shortening	SHLVEALYLVCGERG
Molecular Formula	$C_{72}H_{116}N_{20}O_{22}S_1$
Molecular Weight	1645.9

Properties

Purity	>95%
Form	Lyophilized
Storage	Store at -20°C.