



Human Toll-like Receptor 3 (DAG258)

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

PRODUCT INFORMATION

Species	Human
Conjugate	Unconjugated
Applications	Specific methodologies have not been tested using this product.
Format	Purified, Lyophilized
Concentration	Not applicable
Buffer	Not applicable
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from *Drosophila* to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This receptor is most abundantly expressed in placenta and pancreas, and is restricted to the dendritic subpopulation of the leukocytes. It recognizes dsRNA associated with viral infection, and induces the activation of NF- κ B and the production of type I interferons. It may thus play a role in host defense against viruses. Use of alternative polyadenylation sites to generate different length transcripts has been noted for this gene. [provided by RefSeq, Jul 2008]

Keywords TLR3; toll-like receptor 3; CD283; IIAE2;