



Marmoset Interleukin 17, Interleukin 17A (DAG-H10326)

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

PRODUCT INFORMATION

Species	Marmoset
Purity	> 85 % as determined by SDS-PAGE
Conjugate	Unconjugated
Applications	Measured by its binding ability in a functional ELISA. Immobilized Marmoset IL17A at 10 µg/ml (100 µl/well) can bind human IL17Ra , The EC50 of human IL17Ra is 8.5-20.0 ng/ml.
Format	Lyophilized
Size	100 µg
Preservative	None
Storage	Store it under sterile conditions at -70 °C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

BACKGROUND

Introduction	Interleukin-17 (IL-17, or IL-17A) is the founding member of a group of cytokines called the IL-17 family. IL-17A, was originally identified as a transcript from a rodent T-cell hybridoma by Rouvier et al. in 1993. Known as CTLA8 in rodents, IL-17 shows high homology to viral IL-17 encoded by an open reading frame of the T lymphotropic rhadinovirus Herpesvirus saimiri. Interleukin 17 is a cytokine that acts as a potent mediator in delayed – type reactions by increasing chemokine production in various tissues to recruit monocytes and neutrophils to the site of inflammation, similar to Interferon gamma. IL- 17 is produced by T helper cells and is induced by IL – 23 which results in destructive tissue damage in delayed – type reactions.
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Interleukin 17 as a family functions as a proinflammatory cytokine that responds to the invasion of the immune system by extracellular pathogens and induces destruction of the pathogen's cellular matrix. Interleukin 17 acts synergistically with tumor necrosis factor and interleukin-1. To elicit its functions, IL-17 binds to a type I cell surface receptor called IL-17R of which there are at least three variants IL17RA, IL17RB, and IL17RC.

Keywords

IL17A; interleukin 17A; IL17; CTLA8; IL-17; IL-17A; toxic T-lymphocyte-associated antigen 8; otopic T-lymphocyte-associated protein 8; cytotoxic T-lymphocyte-associated serine esterase 8; interleukin 17 (cytotoxic T-lymphocyte-associated serine esterase 8)
