



Hi-Puri™ Human Anti-Human IL-17A

Monoclonal antibody, clone h142 (DMAB-CS25355)

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

PRODUCT INFORMATION

Product Overview	Antibody h142 bound specifically to human IL-17A, with no binding detected to the closely related cytokines IL-17C and IL-17F. It functionally blocked IL-17A binding to IL-17RA, neutralized IL-17A-dependent signaling and had a binding affinity of 80 nM.
Specificity	h142 bound specifically to human IL-17A, with no binding detected to the closely related cytokines IL-17C and IL-17F.
Target	Human IL-17A
Immunogen	Human IL-17A
Isotype	IgG
Source/Host	Human
Species Reactivity	Human
Clone	h142
Purification	>90% determined by SDS-PAGE
Conjugate	Unconjugated
Applications	ELISA, SPR, Crystallography Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Liquid

Concentration	lot specific
Size	200 µg, 1 mg
Buffer	PBS (endotoxin < 1EU/mg, lower endotoxin levels may also be offered upon request)
Preservative	None
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles.
Ship	Dry ice

BACKGROUND

Introduction	Interleukin-17A (IL17A, commonly referred to as IL-17), is a cytokine that belongs to the interleukin 17 family. IL17A is initially identified as CTLA-8, mainly produced by Th17 cells, while other diverse immune cells including CD8+ T cells, γδ T cells, NK cells also express IL-17A. IL17A is a key proinflammatory cytokine that links T cell activation to neutrophil mobilization and activation. As such, IL-17A can mediate protective innate immunity to pathogens or contribute to the pathogenesis of inflammatory diseases. At present, a variety of IL-17A monoclonal antibodies and inhibitors are presently in development to tackle an array of inflammatory conditions like psoriasis, atopic dermatitis (AD), vitiligo, rheumatoid arthritis, spondylitis, and even malignant melanoma. Besides, IL-17A also functions as a multifaceted cytokine in cancers, which has predominantly been identified as a protumorigenic factor, while some investigations have indicated its potential as an antitumorigenic cytokine.
Keywords	Interleukin-17A; IL17A; IL-17A; IL-17; Interleukin-17