



Hi-Puri™ Human Anti-Human IL-17A

Monoclonal antibody, clone CAT-2200 (DMAB-CS25351)

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

PRODUCT INFORMATION

Product Overview	CAT-2200 is a monoclonal antibody of IgG class that binds to an IL-17A. This antibody can potentially neutralize the effects of recombinant and native human IL-17A.
Specificity	Tested positive against native Human IL-17A
Target	Human IL-17A
Immunogen	CAT-2200 was isolated from a large phage library displaying human single-chain variable fragments (scFv)21 by panning selections on recombinant human IL-17A.
Isotype	IgG
Source/Host	Human
Species Reactivity	Human
Clone	CAT-2200
Purification	>90% determined by SDS-PAGE
Conjugate	Unconjugated
Applications	WB, ELISA, FuncS 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	<p>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.</p> <p>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.</p>
Keywords	Interleukin-17A; IL17A; IL-17A; IL-17; Interleukin-17