

CAT-2200

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Store at low temperature
Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	CAT-2200 is a human monoclonal antibody (IgG1/lambda) targeting Interleukin-17A (IL-17A/CTLA-8). IL-17A is a critical pro-inflammatory cytokine produced by Th17 cells, playing a central role in the pathology of autoimmune diseases such as psoriasis, rheumatoid arthritis, and multiple sclerosis. CAT-2200 specifically binds to the IL-17A homodimer, blocking its interaction with cell surface receptors (IL-17RA/IL-17RC), thereby effectively neutralizing the biological activity of IL-17A. Studies demonstrate that CAT-2200 significantly inhibits the IL-17A-induced release of downstream inflammatory mediators (e.g., IL-6, IL-8, and GRO-alpha). This antibody is frequently used as a tool antibody or positive control for researching the IL-17A signaling pathway and its role in inflammatory responses.
Targets(IC50)	Interleukin
In vitro	CAT-2200 binds human IL-17A with picomolar affinity. In primary chondrocytes or fibroblasts, it dose-dependently inhibits IL-6 and IL-8 secretion (IC50 \approx 8 nM). Structural analysis shows it binds the IL-17A dimer, sterically hindering receptor access [1].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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