

Anti-IL-13 Antibody (H2L6)

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	Anti-IL-13 Antibody (H2L6) is a humanized monoclonal antibody specifically targeting human interleukin-13 (IL-13). The compound binds to IL-13 with high affinity, effectively blocking its interaction with the receptor complex (IL-13Ra1 and IL-4Ra), thereby inhibiting downstream signaling. As IL-13 is a key driver of Th2-mediated immune responses, H2L6 is widely utilized in preclinical research for asthma, atopic dermatitis, and other allergic or inflammatory disorders.
In vitro	In Surface Plasmon Resonance (SPR) assays, Anti-IL-13 Antibody (H2L6) exhibited a high affinity for human IL-13 with a KD of approximately 35 pM. In functional cell-based assays using TF-1 cells, H2L6 dose-dependently neutralized IL-13-induced STAT6 phosphorylation with an IC50 of approximately 46 pM [1].
In vivo	In preclinical models of Th2-driven inflammation, systemic administration of Anti-IL-13 Antibody (H2L6) successfully inhibited IL-13-mediated biological effects, including the reduction of inflammatory cytokine release and attenuation of tissue eosinophilia, demonstrating its potential in managing allergic airway inflammation [1].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481