

IL13

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:100

Calculated MW: 16kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human IL13

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

ALRH; BHR1; IL-13; MGC116786; MGC116788; MGC116789; P600;

Catalog #: A2089

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 3596

Isotype: IgG

Swiss Prot: P35225

Purity: Affinity purification

For research use only.

Background:

IL-13 is produced by T cells and is important in the TH2 response. IL-13 targets include B cells, eosinophils, fibroblasts, mast cells and macrophages (1-3). IL-13 binds specifically to IL-13R1 that complexes with IL-4R to form the Type II IL-4R. Jak1 and Tyk2 are activated and signal through Stat3 and Stat6 (6). IL-13R2 is a different gene product, lacks the intracellular domain, does not complex with IL-4R and does not signal (1,6,7). The extracellular domain of IL-13R2 is often elevated in diseased states. IL-13 plays key roles in airway hyperresponsiveness (AHR) of allergic asthma (1,4,5) and modulates resistance to parasitic organisms (1).

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