

Product datasheet for **TA388938**

IL13 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Sandwich ELISA: To detect Rat IL-13 by sandwich ELISA (using 100 µl/well) a concentration of 0.25 – 1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with ProSci's Polyclonal Anti- Rat IL-13 as a capture antibody, allows the detection of at least 0.2 – 0.4 ng/well of recombinant Rat IL-13. Western Blot To detect Rat IL-13 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 mg/ml. When used in conjunction with compatible development reagents the detection limit for recombinant Rat IL-13 is 1.5 – 3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Produced from sera of rabbits immunized with highly pure recombinant Rat IL-13. Anti-Rat IL-13-specific antibody was purified by affinity chromatography and then biotinylated.
Concentration:	lot specific
Purification:	IL-13 specific antibody was purified by affinity chromatography and then biotinylated
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Database Link:	P42203



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Background:

IL-13 is an immunoregulatory cytokine produced primarily by activated Th2 cells, and also by mast cells and NK cells. Targeted deletion of IL-13 in mice resulted in impaired Th2 cell development and indicated an important role for IL-13 in the expulsion of gastrointestinal parasites. IL-13 exerts anti-inflammatory effects on monocytes and macrophages and it inhibits the expression of inflammatory cytokines such as IL-1b, TNF-a, IL-6 and IL-8. IL-13 has also been shown to enhance B cell proliferation and to induce isotype switching, resulting in increased production of IgE. Blocking of IL-13 activity inhibits the pathophysiology of asthma. Human and murine IL-13 are cross-species reactive. Recombinant Rat IL-13 a 12.3 kDa protein consisting of 113 amino acid residues.