Anti-Human IL-9

20150223ML

FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	**102-P155**
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hIL-9. Anti-hIL-9 specific antibody was purified by affinity chromatography employing immobilized hIL-9 matrix.

Target Background

Synonyms (Target):	IL9; P40; HP40; IL-9

Mouse interleukin 9 (IL-9) was originally identified as T cell-derived T cell growth factor III/P40 that could support the long term growth of certain mouse T helper clones in the absence of antigen or antigen-presenting cells. Human IL-9 was independently cloned as a novel growth factor that is mitogenic for the human megakaryoblastic leukemic cell line, M07e. Human and mouse IL-9 share 56% identity at the amino acid level. Although mouse IL-9 is active on human cells, human IL-9 is not active on mouse cells.

Database References Target

Protein RefSeq:	NP_00581.1
Uniprot ID:	P15248
mRNA RefSeq:	NM_000590.1

Product Specifications

Species reactivity	Human
Clone/Ab feature	Rabbit IgG
Cross reactivity	Human
Host	Rabbit
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	recombinant human IL-9
Formulation	lyophilized from PBS
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.

AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

Western Blot: To detect hIL-9 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIL-9 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of hIL-9 (0.6 ng/ml), a concentration of 0.15 - 0.025 µg/ml of this antibody is required.

ELISA: To detect hIL-9 by direct ELISA (using 100µl/well antibody solution) a concentration of at least 0.5µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hIL-9.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!