

Anti-Human IL-17 Polyclonal Antibody

CATALOG #:	5176-100
AMOUNT:	100 µg
LOT #:	_____
IMMUNOGEN:	<i>E. coli</i> expressed human IL-17
HOST:	Rabbit

PREPARATION:

Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant human IL-17. The antibody was purified by affinity chromatography employing immobilized human IL-17 matrix.

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-human IL-17 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 10 mM EDTA, and 0.02% thymersal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND DESCRIPTION:

IL-17 was identified from a CD4+ T cells DNA library. IL-17 can be induced from primary peripheral blood CD4+ T cells upon stimulation. The cytokine exhibits a high degree of amino acid identity with HVS13, an open reading frame from a T lymphotropic Herpesvirus saimiri and with murine CTLA8. Supernatant from cells transfected with IL-17 induced IL-16 and IL-18 production and enhanced the surface expression of the intracellular adhesion molecule-1 (ICAM-1) in human fibroblasts. IL-17 is a disulfide-linked homodimer of two 31.0 kDa subunits, each containing 136 amino acid residues.

APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-1 µg/ml) and ELISA (2-4 µg/ml). However, the optimal conditions should be determined individually.

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