

IL-34 Antibody

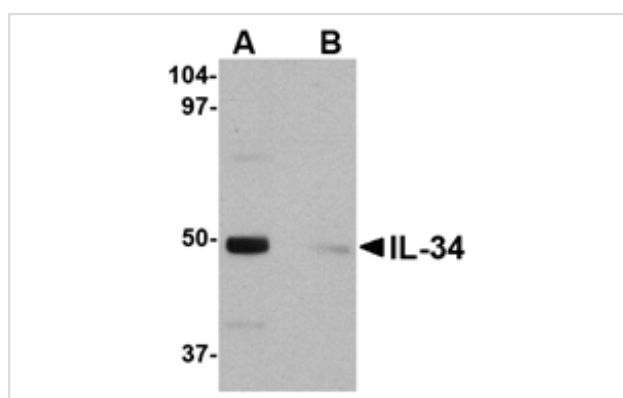
Catalog No: #24747

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Description

Product Name	IL-34 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 13 amino acid peptide from near the center of human IL-34.
Target Name	IL-34
Other Names	Interleukin-34
Accession No.	Swiss-Prot:Q6ZMJ4Gene ID:146433
Uniprot	Q6ZMJ4
GeneID	146433;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of IL-34 in human brain tissue lysate with IL-34 antibody at 0.25 ug/mL in (A) the absence and (B) the presence of blocking peptide.

Background

Interleukin-34 (IL-34) was identified through a functional screening of a library of secreted proteins after transfection of an embryonic kidney cell line with recombinant cDNAs. Flow cytometry and monocyte viability assays demonstrated increased survival and/or proliferation of monocytes induced by IL-34 and specific binding of IL-34 to CD14+ monocytes. IL-34 is a second ligand to the colony stimulating factor (CSF)-1 receptor in addition to CSF1. Like CSF1, IL-34 stimulates phosphorylation of ERK1 and ERK2 in human monocytes and induces differentiation of bone marrow cells into macrophages.

Note: This product is for in vitro research use only