Interleukin 34 (IL34) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Interleukin 34 (IL34), Polyclonal Antibody
Full Product Name	APC/CY7-Linked Polyclonal Antibody to Interleukin 34 (IL34)
Product Gene Name	anti-IL34 antibody
Product Synonym Names	C16orf77
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Rat
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: IL34 (MBS2006200) APC-CY7 Conjugated Antibody: IL34 (MBS2061941)
Matching Pairs	APC-CY7 Conjugated Antibody: IL34 (MBS2061941) Immunogen: IL34 (MBS2010648)
Molecular Weight	27,354 Da
OMIM	EU599219 mRNA
3D Structure	ModBase 3D Structure for Q6ZMJ4
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	IL34 (Asn21~Pro235)
Conjugation	APC-Cy7
Cross Reactivity	Mouse
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2006200
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-IL34 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-IL34 antibody	MBS2061941 is an antibody targeting IL34. Also known as APC/CY7-Linked Polyclonal Antibody to Interleukin 34 (IL34). Reactive in Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-IL34 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL34. It may not necessarily be applicable to this product.

NCBI GI #	289666752
NCBI GeneID	146433
NCBI Accession #	NP_001166243.1

UniProt Primary Accession #	Q6ZMJ4
UniProt Secondary Accession #	Q8N6L2; B2RC28; B2Z4A8; B2ZC70
UniProt Related Accession #	Q6ZMJ4
GenBank Nucleotide #	NM_001172772.1
NCBI Official Full Name	interleukin-34 isoform 1
NCBI Official Synonym Full Names	interleukin 34
NCBI Official Symbol	IL34
NCBI Official Synonym Symbols	IL-34; C16orf77
UniProt Protein Name	Interleukin-34
Protein Family	Interleukin
UniProt Gene Name	IL34
UniProt Synonym Gene Names	C16orf77; IL-34
NCBI Protein Information	interleukin-34
NCBI Summary for IL34	Interleukin-34 is a cytokine that promotes the differentiation and viability of monocytes and macrophages through the colony-stimulating factor-1 receptor (CSF1R; MIM 164770) (Lin et al., 2008 [PubMed 18467591]).[supplied by OMIM, May 2008]
UniProt Comments for IL34	IL34: Cytokine that promotes the proliferation, survival and differentiation of monocytes and macrophages. Promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. Plays an important role in the regulation of osteoclast proliferation and differentiation, and in the regulation of bone resorption. Signaling via CSF1R and its downstream effectors stimulates phosphorylation of MAPK1/ERK2 AND MAPK3/ERK1. Belongs to the IL-34 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell cycle regulation; Cytokine; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 16q22.1 Cellular Component: extracellular region; extracellular space Molecular Function: macrophage colony stimulating factor receptor binding Biological Process: positive regulation of cell proliferation; positive regulation of macrophage differentiation; positive regulation of monocyte differentiation; positive regulation of protein amino acid phosphorylation
Research Articles on IL34	**1.** The receiver operating characteristic (ROC) curve analysis has shown that IL-34 has more discriminatory power than C-reactive protein (CRP) for the risk of diabetic complications. The cut-off value for IL-34 was established as 91.2 pg/mL. The gist of our research was identification of IL-34 as an additional potential inflammatory biomarker for the prediction of the risk of vascular diabetic complications.
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