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IL-33 Rabbit mAb

Catalog # AP78822

Specification

IL-33 Rabbit mAb - Product Information

Application	**WB**
Primary Accession	Q8BVZ5
Reactivity	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Monoclonal Antibody**
Calculated MW	**29991**

IL-33 Rabbit mAb - Additional Information

Gene ID 77125

Other Names
Il33

Dilution
WB~~1/500-1/1000

Format
Liquid

IL-33 Rabbit mAb - Protein Information

Name Il33 {ECO:0000312|MGI:MGI:1924375}

Function
Cytokine that binds to and signals through the IL1RL1/ST2 receptor which in turn activates NF-kappa-B and MAPK signaling pathways in target cells (PubMed:29045903). Involved in the maturation of Th2 cells inducing the secretion of T-helper type 2-associated cytokines (By similarity). Also involved in activation of mast cells, basophils, eosinophils and natural killer cells (By similarity). Acts as an enhancer of polarization of alternatively activated macrophages (By similarity). Acts as a chemoattractant for Th2 cells, and may function as an 'alarmin', that amplifies immune responses during tissue injury (By similarity). Induces rapid UCP2-dependent mitochondrial rewiring that attenuates the generation of reactive oxygen species and preserves the integrity of Krebs cycle required for persistent production of itaconate and subsequent GATA3-dependent differentiation of inflammation-resolving alternatively activated macrophages (PubMed:34644537).

Cellular Location
Nucleus. Chromosome {ECO:0000250|UniProtKB:O95760}. Cytoplasm {ECO:0000250|UniProtKB:O95760}. Cytoplasmic vesicle, secretory vesicle {ECO:0000250|UniProtKB:O95760}. Secreted. Note=Secreted and released in the extracellular milieu by passing through the gasdermin-D (GSDMD) pore following cleavage by CELA1

(PubMed:35749514, PubMed:35794369) Associates with heterochromatin and mitotic chromosomes (By similarity). The secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10; it results in protein translocation from the cytoplasm into the ERGIC (endoplasmic reticulum- Golgi intermediate compartment) followed by vesicle entry and secretion (By similarity). {ECO:0000250|UniProtKB:O95760, ECO:0000269|PubMed:35749514, ECO:0000269|PubMed:35794369}

IL-33 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IL-33 Rabbit mAb - Images