



IL-33 Monoclonal Antibody

Catalog No	YP-mAb-16042
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IL33
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human IL33. AA range:121-170
Specificity	IL-33 Monoclonal Antibody detects endogenous levels of IL-33 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IL33;109-270;95-270;99-270;C9orf26;IL-33;Interleukin-33;IL1F11;NFHEV; Interleukin-1 family member 11;IL-1F11;Nuclear factor from high endothelial venules;NF-HEV
Observed Band	31kD
Calculated Molecular Weight	31kD
Cell Pathway	Nucleus . Chromosome . Cytoplasm . Cytoplasmic vesicle, secretory vesicle . Secreted . Associates with heterochromatin and mitotic chromosomes (PubMed:17185418). 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 (PubMed:32272059). .
Tissue Specificity	Expressed at high level in high endothelial venules found in tonsils, Peyer patches and mesenteric lymph nodes. Almost undetectable in placenta.
Function	caution:Was originally (PubMed:12819012) thought to one of the key factors that controls the specialized post-capillary high endothelial venules (HEV) phenotype found in organized secondary lymphoid tissue and to be nuclear localized., function:Cytokine that binds to and signals through IL1RL1/ST2 and its stimulation recruits MYD88, IRAK1, IRAK4, and TRAF6, followed by



phosphorylation of MAPK3/ERK1 and/or MAPK1/ERK2, MAPK14, and MAPK8. Induces T helper type 2-associated cytokines.,PTM:Proteolytically converted to a mature form by CASP1.,similarity:Belongs to the IL-1 family. Highly divergent., tissue specificity:Expressed at high level in high endothelial venules found in tonsils, Peyer patches and mesenteric lymph nodes. Almost undetectable in placenta.,

Background

The protein encoded by this gene is a cytokine that binds to the IL1RL1/ST2 receptor. The encoded protein is involved in the maturation of Th2 cells and the activation of mast cells, basophils, eosinophils and natural killer cells. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using IL-33 Monoclonal Antibody