

32-5776: Mouse Anti Human Interleukin-33(Clone:P4E9AT.)

Clonality :	Monoclonal
Clone Name :	P4E9AT.
Application :	ELISA,WB
Gene :	IL33
Gene ID :	90865
Uniprot ID :	O95760
Format :	Purified
Alternative Name :	Interleukin 33,DVS27,NF-HEV,NKHEV,C9orf26,Interleukin-1 family member 11,IL- 1F11,Nuclear factor from high endothelial venules,NFEHEV,DKFZp586H0523,RP11-575C20.2,IL-33.
Isotype :	Mouse IgG2b heavy chain and ? light chain.
Immunogen Information :	Anti-human IL33 mAb, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with Recombinant human IL33 amino acids 112-270 purified from E. coli.

Description

Interleukin 33 (IL-33) is a 32kDa proinflammatory cytokine that may also regulate gene transcription in producer cells. IL-33 is structurally related to IL-1, which induces helper T cells to produce type 2 cytokines and acts through the receptor IL1RL1 (IL1 receptor-like-1), which is known also as ST2. Binding of IL-33 to this receptor activates NF-kappa-B and MAP kinases and induces in vitro Th2 cells to produce cytokines. In vivo, IL-33 induces expression of IL-4, IL-5, IL-13 and leads to severe pathological changes in mucosal organs and in vitro, it can be divided to N-terminal fragment of 12kDa and C-terminal fragment of 18kDa by cleavage of caspase-1.

Product Info

Amount :	20 µg
Purification :	IL33 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

IL33 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~ 1,000. Recommended starting dilution is 1:500.