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Anti-IL-1β Rabbit mAb [99F42]

Catalog No.: A52186

Basic Information

Catalog No. (Cat.No.)	A52186
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IP,IF,ELISA
Synonyms	IL-1β,IL-1,IL-F1,LPSRF

Product Information

Target	IL-1β
Molecular Weight(Calculated)	31 kDa
Molecular Weight(Observed)	31 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	99F42
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:2000-1:10000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Interleukin-1 beta
Gene Name	*IL1B*
Domain	NA
Background	IL-1β (Interleukin-1 beta) is a member of IL-1 pro-inflammatory cytokine superfamily. Inactive pro-IL-1β accumulates in cytoplasm; mature secreted IL-1β is generated via caspase-1 cleavage upon inflammasome activation. As a potent pro-inflammatory mediator, IL-1β induces diverse inflammatory mediators, recruits immune cells and initiates local and systemic inflammation. It mediates host defense against pathogens, whereas sustained inappropriate release drives autoimmunity, metabolic inflammation and tumor-microenvironment remodeling.