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Product datasheet for TA319453

Il1b Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	ELISA: 1:1,000 - 1:5,000, WB: 1:500 - 1:2,000, IHC: 1:50-1:250, IF: 1:50-1:250, IP: 1:200-1:800, FC: User Optimized
Reactivity:	Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This antibody was prepared by repeated immunizations with recombinant mouse IL-1β produced in E.coli. The MW of recombinant mouse IL-1β was 17 kDa.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	interleukin 1 beta
Database Link:	NP_032387 Entrez Gene 24494 RatEntrez Gene 16176 Mouse P10749
Synonyms:	catabolin; IL-1; IL-1B; IL1-BETA; IL1F2; pro-interleukin-1-beta
Note:	IL-1 beta (also known as Interleukin-1 beta, IL-1β and catabolin) is produced by activated macrophages. IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells. IL-1β is a monomeric secreted protein that may be released by damaged cells or is secreted by a mechanism differing from that used for other secretory proteins. Anti-IL-1 beta antibody is ideal for investigators involved in Cardiovascular and Immunology research.

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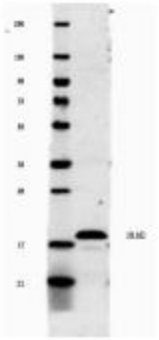
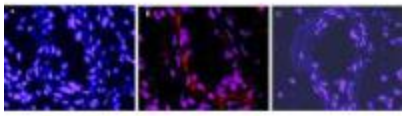
Product images:



This antibody will recognize 10% of the non-denatured (native) precursor 31,000 MW mouse IL-1β containing samples but will primarily detect all of the 17,000 MW mature molecule. However, in western blot analysis, the usual procedure of heating the sample in SDS with or without reducing agents will facilitate denaturing of the 31,000 MW IL- 1β precursor molecule. Denatured IL-1β will have a 18 kDa band.



IF after staining of mouse carotid artery tissue with anti-Mouse IL-1β antiserum (less purified form of TA319453) diluted 1:50. Panel A) shows no antibody staining of WT uninjured mouse carotid tissue. Panel B) shows anti-IL-1β staining of cells after surgical injury of tissue. Panel C) shows no antibody staining of injured carotid tissue from an IL-1β KO mouse.