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Datasheet for ABIN1305225
anti-Interleukin 1 alpha (IL1A) antibody pair

Overview

Quantity:	1 set
Target:	IL1A
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Method Type:	Sandwich ELISA
Detection Range:	15.6-2000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details

Specificity:	Detects mouse IL-1alpha.
No Cross-Reactivity:	Human
Cross-Reactivity (Details):	Does not detect human IL-1alpha or mouse IL-1beta.
Sensitivity:	10 pg/mL
Components:	1 vial standard protein (1µg) (lyophilized) [STD] 1 vial coating antibody (120µg) [COAT] 1 vial detection antibody (30µg) [DET] 1 vial streptavidin-HRP (10µg) (lyophilized) [STREP]

Target Details

Target:	IL1A
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Target Details

Alternative Name: IL-1alpha ([IL1A Products](#))

Background: The most prominent members of the interleukin-1 (IL-1) superfamily are IL-1alpha and IL-1beta. They lack a signal peptide and are secreted by an unconventional, endoplasmic reticulum-Golgi-independent mechanism. IL-1alpha was reported to be more widely and constitutively expressed and has intracellular functions, but also acts locally in a membrane-bound form by activating IL-1R1. Additionally, passive release of IL-1alpha upon cell death can trigger a sterile inflammatory response to dying cells. The cleavage of IL-1alpha is not mediated by caspase-1 and is not required for binding to IL-1R1. Recently it has been observed that all activators of the inflammasome NLRP3/NALP3 induce the simultaneous secretion of IL-1alpha and IL-1beta. Although most activators fully rely on the inflammasome for IL-1alpha secretion, some induce the processing and secretion of IL-1alpha in an inflammasome-independent manner.

UniProt: [P01582](#)

Application Details

Restrictions: For Research Use only

Handling

Concentration: Lot specific

Storage: -20 °C

Storage Comment: Short Term Storage: -20°C
Long Term Storage: -20°C
Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date: 12 months