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Datasheet for ABIN2018084 IL1A Protein (AA 116-270)

Overview

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|--------------------------|-------------|
| Quantity: | 50 µg |
| Target: | IL1A |
| Protein Characteristics: | AA 116-270 |
| Origin: | Rat |
| Source: | CHO Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |

Product Details

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| Characteristics: | ED50 <5 pg/mL, measured in a proliferation assay using D10S cells. |
| Purity: | > 95 % as analyzed by SDS-PAGE. |
| Endotoxin Level: | < 0.2 EU/µg, determined by LAL method. |

Target Details

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|-------------------|---|
| Target: | IL1A |
| Alternative Name: | Interleukin-1alpha (IL-1alpha) (IL1A Products) |
| Background: | Interleukin-1 alpha (IL-1α), is produced in a variety of cells including monocytes, tissue macrophages, keratinocytes and other epithelial cells. Both IL-1alpha and IL-1beta bind to the same receptor and have similar if not identical biological properties. These cytokines have a broad range of activities including stimulation of thymocyte proliferation via IL-2 release, B-cell maturation and proliferation, mitogenic FGF-like activity, and the ability to stimulate the release |

Target Details

of prostaglandin and collagenase from synovial cells. However, whereas IL-1beta is a secreted cytokine, IL-1alpha is predominantly a cell-associated cytokine.

Synonyms: Hematopoietin-1, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF)

Molecular Weight: 17-22 kDa, observed by reducing SDS-PAGE.

UniProt: [P16598](#)

Pathways: [NF-kappaB Signaling](#), [Autophagy](#), [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH2O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant Rat Interleukin-1 alpha remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Rat Interleukin-1 alpha should be stable up to 1 week at 4°C or up to 2 months at -20°C.

Expiry Date: 6 months