

# IL6 Monoclonal Antibody

Catalog No: #42035

Package Size: #42035 100ug

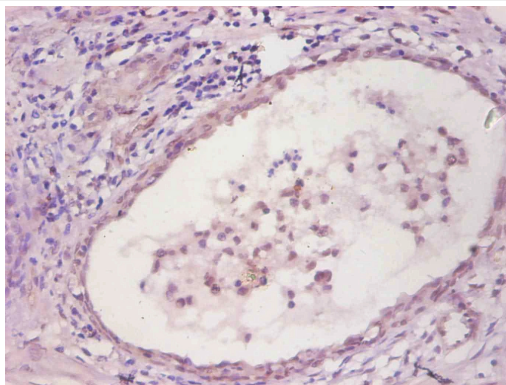
## Description

|                       |                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Product Name          | IL6 Monoclonal Antibody                                                                                                     |
| Host Species          | Mouse                                                                                                                       |
| Clonality             | Monoclonal                                                                                                                  |
| Purification          | protein G purified                                                                                                          |
| Applications          | IHC                                                                                                                         |
| Species Reactivity    | Hu                                                                                                                          |
| Specificity           | specific for human Interleukin-6 denatured and native forms                                                                 |
| Immunogen Type        | protein                                                                                                                     |
| Immunogen Description | Recombinant Human Interleukin-6                                                                                             |
| Conjugates            | Unconjugated                                                                                                                |
| Target Name           | IL6                                                                                                                         |
| Other Names           | B-cell stimulatory factor 2, BSF-2, CTL differentiation factor, CDF, Hybridoma growth factor, Interferon beta-2, IFN-beta-2 |
| Accession No.         | Swiss-Prot#: P05231                                                                                                         |
| Concentration         | 1.0mg/mL                                                                                                                    |
| Formulation           | Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                                               |
| Storage               | Store at -20°C                                                                                                              |

## Application Details

Immunohistochemistry: 1:20 - 1:200

## Images



Immunohistochemical analysis of paraffin-embedded human prostate tissue using #42035 at dilution of 1:200.

## Background

Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve

cells differentiation Acts on B-cells, T-cells, hepatocytes, hematopoeitic progenitor cells and cells of the CNS. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance.

## References

[1] "Complementary DNA for a novel human interleukin (BSF-2) that induces B lymphocytes to produce immunoglobulin."Hirano T., Yasukawa K., Harada H., Taga T., Watanabe Y., Matsuda T., Kashiwamura S., Nakajima K., Koyama K., Iwamatsu A., Tsunas

## Published Papers

Zhang Meiyu;Li Decai;Sun Liujuan;He Yu;Liu Qingqing;He Yi;Li Fang et al., Lactobacillus reuteri Alleviates Hyperoxia-Induced BPD by Activating IL-22/STAT3 Signaling Pathway in Neonatal Mice, , (2024)

PMID:

Note: This product is for in vitro research use only and is not intended for use in humans or animals.