

Anti-human IL6 Antibody (monoclonal, 7D12)

Catalog Number: M00102-2

About IL6

Interleukin-6 (IL-6) is a protein that in humans is encoded by the IL6 gene. IL-6 is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. It is secreted by T cells and macrophages to stimulate immune response to trauma, especially burns or other tissue damage leading to inflammation. IL-6 is one of the most important mediators of fever and of the acute phase response. IL-6 is also essential for hybridoma growth and is found in many supplemental cloning media such as briclone. Bowcock et al. (1988) assigned the IL6 gene to chromosome 7p21. By in situ hybridization and Southern blot analysis of mouse-human hybrid cell lines, Sutherland et al. (1988) mapped the IL-6 gene to chromosome 7p15.

Overview

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| Product Name | Anti-human IL6 Antibody (monoclonal, 7D12) |
| Reactive Species | Human |
| Description | Boster Bio Anti-human IL6 Antibody (monoclonal, 7D12) catalog # M00102-2. Tested in ELISA applications. This antibody reacts with Human. |
| Application | ELISA (Cap) |
| Clonality | Monoclonal 7D12 |
| Formulation | Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ . |
| Storage Instructions | Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles. |
| Host | Mouse |
| Uniprot ID | P05231 |

Technical Details

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| Immunogen | sf21-derived human IL6 recombinant protein (Position: P29-M212). |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot. |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Mouse IgG2a |
| Form | Lyophilized |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| Purification | Immunogen affinity purified. |

Suggested Dilutions

ELISA (Cap), 1-5ug/ml, Human

12 Publications Citing This Product

1. PubMed ID: 10.2147/DDDT.S294009, Nephroprotective Effect of Adropinin Against Streptozotocin-Induced Diabetic Nephropathy in Rats: Inflammatory Mechanism and YAP/TAZ Factor
2. PubMed ID: 33623368, Guo L, Jiang B, Li D, Xiao X. Nephroprotective Effect of Adropinin Against Streptozotocin-Induced Diabetic Nephropathy in Rats: Inflammatory Mechanism and YAP/TAZ Factor. Drug Des Devel Ther. 2021 Feb 16;15:589-600. doi:10.2147/DDDT.S294009. PMID:33623368; PMCID
3. PubMed ID: 24603891, Sun W, Liu Db, Li Ww, Zhang Li, Long Gx, Wang Jf, Mei Q, Hu Gq. Int J Oncol. 2014 May;44(5):1551-60. Doi: 10.3892/Ijo.2014.2323. Epub 2014 Mar 5. Interleukin-6 Promotes The Migration And Invasion Of Nasopharyngeal Carcinoma Cell Lines And Upregula...

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