bsm-10807M **[Primary Antibody]**

IL6 | IL-6/BSF-2 Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG
Clonality: Monoclonal
CloneNo.: 1C4
GeneID: 3569
SWISS: P05231
Target: IL6 | IL-6/BSF-2
Immunogen: Recombinant human IL-6 protein: 30-212/212aa (C-6x His-Tag).
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Size : 200ug (PBS only)
0.01M PBS (pH7.4).
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. [provided by RefSeq, Jun 2011].

Applications: **WB** (1:2000-20000)
IHC-P (1:200-800)
IHC-F (1:200-800)
IF (1:200-800)

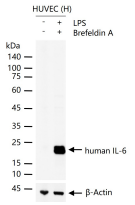
Reactivity: Human

Predicted MW.: 23 kDa

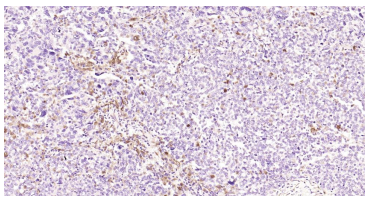
Observed MW.: 23 kDa

Subcellular Location: Secreted ,Cytoplasm

VALIDATION IMAGES



HUVEC (H) cells were treated with or without LPS (0.5 μg/ml，24h) and Brefeldin A (300 ng/ml，20h) , 25 μg total protein per lane of cell lysates (see on figure) probed with human IL-6 monoclonal antibody, unconjugated (bsm-10807M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Ovarian Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with human IL-6 Monoclonal Antibody, Unconjugated(bsm-10807M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024) and DAB (C-0010) staining.

SELECTED CITATIONS

- **[IF=21.3]** Liu Haoran. et al. A Bioflexible Janus Dressing with Unidirectional Drainage for Dynamic pH Monitoring, Exudate Management, and Immune Modulation in Diabetic Wound Healing. ADV FIBER MATER. 2026 Mar;:1-15 IHC ;Rat. 10.1007/s42765-025-00661-3
- **[IF=10.7]** Xinchen Du. et al. A self-elastic chitosan sponge reinforced with lauric acid-modified quaternized chitosan and attapulgite to treat noncompressible hemorrhage and facilitate wound healing. CARBOHYD POLYM. 2024 Dec;:123121 IF ;Rat. 39779028

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=5.7]** Gao Yifei. et al. Yuye Jinhua Qingre Tablets Attenuate Acute Pharyngitis by inhibiting the Complement Cascade and C5a/C5aR1 Axis. CHIN MED-UK. 2025 Dec;20(1):1-21 IHC ;Rat. 40855320
- **[IF=5.1]** Yangyang Tian. et al. Fecal microbiota transplantation promotes hair growth through gut microbiome and metabolic regulation. LIFE SCI. 2025 Jul;:123887 IHC ;Mouse. 40749821
- **[IF=2.5]** Fudong Shi. et al. Acupuncture mitigates sciatic neuropathic pain in lumbar disc herniation via inhibiting spinal CXCL12/CXCR4-driven glial activation and neuroinflammation. J NEUROIMMUNOL. 2025 Nov;:578797 WB ;Rat. 41223618

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