bs-0782R **[Primary Antibody]**

Il6 | IL-6/BSF-2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3569 **SWISS:** P05231

Target: Il6 | IL-6/BSF-2

Immunogen: Recombinant human IL-6 protein: 30-212/212.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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** (1:500-2000)
ELISA (1:5000-10000)

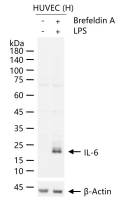
Reactivity: Human

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 IL-6 polyclonal antibody, unconjugated (bs-0782R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

SELECTED CITATIONS

- **[IF=24.897]** Yuan, Xulei. et al. Systemic antibiotics increase microbiota pathogenicity and oral bone loss. INT J ORAL SCI. 2023 Jan;15(1):1-14 IHC ;Mouse. 36631439
- **[IF=20.3]** Jingjing Wei. et al. Metformin carbon dots-based osteogenic and protein delivery system to promote bone regeneration in periodontitis. BIOACT MATER. 2025 Nov;53:459 WB,IHC ;Rat,Human. 40747455
- **[IF=20.3]** Yao Wu. et al. Small extracellular vesicle-integrated by herbal hydrogels for spatiotemporal immunomodulation and neurovascular repair following traumatic brain injury. BIOACT MATER. 2026 Aug;62:139-156 IHC ;Mouse. 41853701
- **[IF=17.521]** Huan Lei. et al. A Combination Therapy Using Electrical Stimulation and Adaptive, Conductive Hydrogels

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Loaded with Self-Assembled Nanogels Incorporating Short Interfering RNA Promotes the Repair of Diabetic Chronic Wounds. Advanced Science. 2022 Sep;:2201425 IF ;Rat. 36064844

- **[IF=17.1]** Yuqin Jin. et al. Periodontitis accelerates STING-mediated bone remodeling during orthodontic tooth movement. J ADV RES. 2026 Jul;: IHC ;Rat. 42468805

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