

bs-0767R**[Primary Antibody]**

Bioss
ANTIBODIES

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

IL12A Rabbit pAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**Target:** IL12A**Immunogen:** KLH conjugated synthetic peptide derived from mouse IL-12: 51-150/215.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml

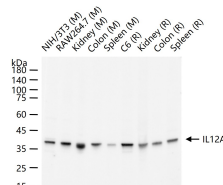
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: bs-0767P is one synthetic peptide derived from mouse IL-12. IL-12 protein is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract.

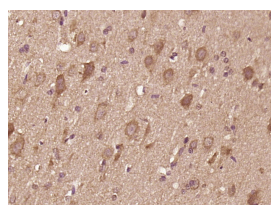
Applications: WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)**Reactivity:** Mouse, Rat

Predicted
MW.: 22 kDa

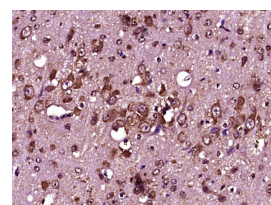
Subcellular
Location: Secreted

— VALIDATION IMAGES —

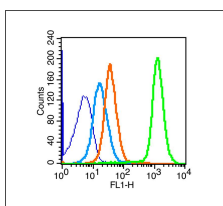
25 µg total protein per lane of various lysates (see on figure) probed with IL12A polyclonal antibody, unconjugated (bs-0767R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IL12) Polyclonal Antibody, Unconjugated (bs-0767R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IL12) Polyclonal Antibody, Unconjugated (bs-0767R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control (blue line): Mouse spleen (blue).
Primary Antibody (green line): Rabbit Anti- IL12 antibody (bs-0767R) Dilution: 1µg/10⁶ cells;
Isotype Control Antibody (orange line): Rabbit

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

IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC Dilution: 1µg /test. Protocol The cells were fixed with 70% ice-cold methanol overnight at 4°C. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=7.182]** Tingting Guo. et al. Lepidium meyenii Walpers polysaccharide and its cationic derivative re-educate tumor-associated macrophages for synergistic tumor immunotherapy. Carbohydr Polym. 2020 Dec;250:116904 IF ;Mouse. 33049880
- **[IF=7.169]** Yang, Lin. et al. MANF ameliorates DSS-induced mouse colitis via restricting Ly6ChiCX3CR1int macrophage transformation and suppressing CHOP-BATF2 signaling pathway. ACTA PHARMACOL SIN. 2023 Jan;;1-16 WB,IHC ;Mouse. 36635421
- **[IF=7.3]** Sarah K. Schröder. et al. Lipocalin 2 receptors: facts, fictions, and myths. FRONT IMMUNOL. 2023; 14: 1229885 IF ;Mouse. 37638032
- **[IF=6.49]** Taylor-Fishwick, D. A., et al. "Production and function of IL-12 in islets and beta cells." Diabetologia (2012): 1-10 Other ;="Mouse". 23052055
- **[IF=4.2]** Dan-Qi Xu. et al.To explore the potential combined treatment strategy for colorectal cancer: Inhibition of cancer stem cells and enhancement of intestinal immune microenvironment..European Journal of Pharmacology.2025 Mar 20:998:177533. Western blot ;Mouse. 40120791