bs-0767R

[Primary Antibody]

IL12A Rabbit pAb

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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.

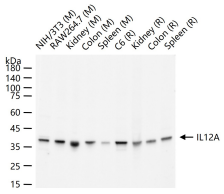
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg/Test)

Reactivity: Mouse, Rat

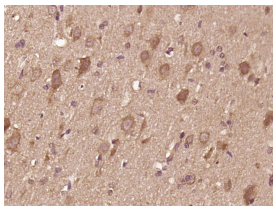
Predicted MW.: 22 kDa

Subcellular Location: Secreted

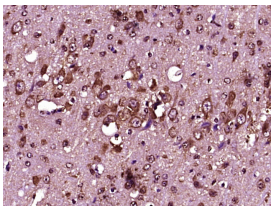
VALIDATION IMAGES



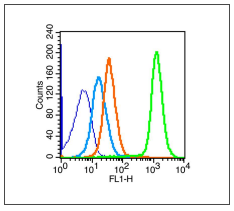
25 ug total protein per lane of various lysates (see on figure) probed with IL12A polyclonal antibody, unconjugated (bs-0767R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



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) instructionsand 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 /10^6 cells; Isotype Control Antibody (orange line): Rabbit

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. Carbohyd 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=4.9]** Guoqin Cao. et al. Pro-Resolving Macrophage-Induced IL-35+ but Not TGF-β1+ Regulatory B Cell Activation Requires the PD-L1/PD-1 Pathway. INT J MOL SCI. 2025 Jan;26(11):5332 FC,IF ;Mouse. 40508140