

**bs-2994R****[ Primary Antibody ]****IRF7 Rabbit pAb****Bioss**  
**ANTIBODIES**

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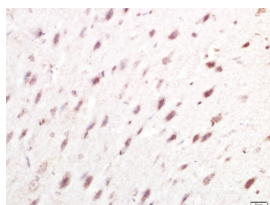
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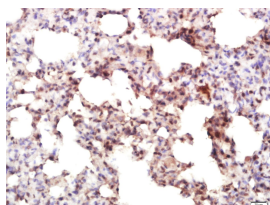
400-901-9800

**— DATASHEET —**

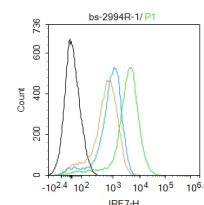
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 3665	<b>SWISS:</b> Q92985	<b>IF</b> (1:100-500)
<b>Target:</b> IRF7		<b>Flow-Cyt</b> (1ug/test)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human IRF7: 401-503/503.		<b>Reactivity:</b> Mouse, Rat (predicted: Human, Rabbit, Pig, Cow, Dog)
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 54 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Storage:</b> 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.		
<b>Background:</b> IRF7 encodes interferon regulatory factor 7, a member of the interferon regulatory transcription factor (IRF) family. IRF7 has been shown to play a role in the transcriptional activation of virus-inducible cellular genes, including interferon beta chain genes. Inducible expression of IRF7 is largely restricted to lymphoid tissue. Multiple IRF7 transcript variants have been identified, although the functional consequences of these have not yet been established. [provided by RefSeq, Jul 2008]		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (rat 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 (IRF7) Polyclonal Antibody, Unconjugated (bs-2994R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat lung); 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 (IRF7) Polyclonal Antibody, Unconjugated (bs-2994R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control: Mouse spleen. Primary Antibody (green line): Rabbit Anti-IRF7 antibody (bs-2994R) Dilution: 1µg /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

**— SELECTED CITATIONS —**

- **[IF=9.434]** Xihong Zhou. et al. Intestinal accumulation of microbiota-produced succinate caused by loss of microRNAs leads to diarrhea in weanling piglets. GUT MICROBES. 2022 Jun 26 WB ;Pig, Mouse. 35758253
- **[IF=8.14]** Han, Young Woo, et al. " Distinct Dictation of Japanese Encephalitis Virus-Induced Neuroinflammation and Lethality via Triggering TLR3 and TLR4 Signal Pathways." PLoS Pathogens 10(9) (2014): e103882. WB ;"Mouse".

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

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- **[IF=5.924]** Xue Li. et al. Coinfection of Porcine Circovirus 2 and Pseudorabies Virus Enhances Immunosuppression and Inflammation through NF- $\kappa$ B, JAK/STAT, MAPK, and NLRP3 Pathways. INT J MOL SCI. 2022 Jan;23(8):4469 WB ;Pig. 35457287
- **[IF=4.6]** Zhiyuan Wang. et al. Infectious bursal disease virus affecting interferon regulatory factor 7 signaling through VP3 protein to facilitate viral replication. FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY. 2025 Jan 13;14:1529159. Western blot, IF ;Chicken. 39872942
- **[IF=3.87]** Cai, Zhaowei, et al. "Transcriptomic analysis of hepatic responses to testosterone deficiency in miniature pigs fed a high-cholesterol diet." BMC genomics 16.1 (2015): 59. IHC ;="Pig". 25887406