

Product Datasheet

Salmonella Antibody - BSA Free

NB600-1087

Unit Size: 0.25 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB600-1087

Salmonella Antibody - BSA Free

Product Information	
Unit Size	0.25 ml
Concentration	4.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	0.01 M Phosphate Buffered Saline, pH 7.2
Product Description	
Host	Rabbit
Species	Mouse, Bacteria
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 27748732).
Specificity/Sensitivity	This is polyvalent for Salmonella "O" & "H" antigens. Immunocaptures Salmonellae. Antiserum is not absorbed and does react with related Enterobacteriaceae.
Immunogen	Mixture of S. enteritidis, S. typhimurium, and S. heidelberg
Product Application Details	
Applications	ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	ELISA, Immunofluorescence. May be used in place of neat antiserum in almost any appropriate antibody-based technique. Immunocaptures Salmonellae. Optimal dilutions and concentrations should be determined by the end user. Purity is >95% Use in Immunohistochemistry-Paraffin reported in scientific literature (PMID 23732169)



Publications

Seong H, Kim S, Choi J et al. Synthesis of ultrasmall superparamagnetic iron oxide nanoparticles for magnetic labeling of antibody of pathogenic microbe *Macromolecular Research* 2023-02-01

Guo XK, Wang J, van Hensbergen VP et al. Interactions between host and intestinal crypt-resided biofilms are controlled by epithelial fucosylation *Cell reports* 2023-07-25 [PMID: 37405914] (IHC-P, Bacteria)

Wang DN, Ni JJ, Li JH et al. Bacterial infection promotes tumorigenesis of colorectal cancer via regulating CDC42 acetylation *PLoS pathogens* 2023-02-22 [PMID: 36812247] (IHC, Human)

Ahn YH, Park S, Choi JJ et al. Secreted tryptophanyl-tRNA synthetase as a primary defence system against infection. *Nat Microbiol* 2016-10-17 [PMID: 27748732] (IF/IHC)

Habyarimana F, Swearingen MC, Young GM et al. *Yersinia enterocolitica* inhibits *Salmonella enterica* serovar Typhimurium and *Listeria monocytogenes* cellular uptake. *Infect. Immun.* 2014-01-01 [PMID: 24126528] (ICC/IF, Bacteria)

Details:

Salmonella antibody used for ICC-IF at 1:500 dilution - Infected cells fixed in 4% paraformaldehyde/PBS for 15 min, two protocols explained - one each for labelling the extracellular and intracellular bacteria (see full text for details).

Habyarimana F, Sabag-Daigle A, Ahmer BM. The *sdiA*-regulated gene, *srgE*, encodes a Type 3 secreted effector. *J. Bacteriol.* 2014-04-11 [PMID: 24727228] (ICC/IF, Bacteria)

Marshall JM, Flechtner AD, La Perle KM. Visualization of Extracellular Matrix Components within Sectioned *Salmonella* Biofilms on the Surface of Human Gallstones. *PLoS ONE* 2014-02-19 [PMID: 24551241] (IHC-P)

Gonzalez-Escobedo G, Gunn JS. Gallbladder epithelium as a niche for chronic *Salmonella* carriage. *Infect Immun.* 2013-08-01 [PMID: 23732169] (IHC-P, Bacteria)





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Products Related to NB600-1087

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
KA0965	Salmonella ELISA Kit (Colorimetric)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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