

# Product Datasheet

## Goat anti-Rat IgM Heavy Chain Secondary Antibody NB7100

Unit Size: 1 ml

Store at 4C. Do not freeze.

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**NB7100****Goat anti-Rat IgM Heavy Chain Secondary Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	1 ml
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Phosphate Buffered Saline (PBS)
<b>Product Description</b>	
<b>Host</b>	Goat
<b>Gene ID</b>	3507
<b>Gene Symbol</b>	IGHM
<b>Species</b>	Rat
<b>Specificity/Sensitivity</b>	By immunoelectrophoresis and ELISA this reacts specifically with rat IgM and is mu-chain specific. This may cross react with IgM from other species.
<b>Immunogen</b>	Rat IgM
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Electron Microscopy, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:1000 - 1:30000, ELISA 1:1000 - 1:30000, Immunohistochemistry 1:200 - 1:2000, Immunocytochemistry/Immunofluorescence 1:200 - 1:2000, Immunohistochemistry-Paraffin 1:200 - 1:2000, Electron Microscopy 1:1000 - 1:30000
<b>Application Notes</b>	ELISA 1:1,000 - 1:30,000; for coating plates 1:100 - 1:500

## Publications

Hakala H, Rajala K, Ojala M et al. Comparison of biomaterials and extracellular matrices as a culture platform for multiple, independently derived human embryonic stem cell lines *Tissue Eng Part A* 2009-01-10 [PMID: 19132919] (ICC/IF)

Kaur S, Abu-Shahba AG, Paananen RO et al. Small non-coding RNA landscape of extracellular vesicles from human stem cells *Sci Rep* 2018-10-21 [PMID: 30341351] (IF/IHC)

Skottman H. Derivation and characterization of three new human embryonic stem cell lines in Finland *In Vitro Cell Dev Biol Anim* 2010-02-24 [PMID: 20177999] (ICC/IF)

Dayao DA, Sheoran A, Carvalho A et al. An immunocompetent rat model of infection with *Cryptosporidium hominis* and *Cryptosporidium parvum* *Int J Parasitol* 2019-11-25 [PMID: 31759945] (IF/IHC)

Suzuki T, Ichihara M, Hyodo K et al. Accelerated blood clearance of PEGylated liposomes containing doxorubicin upon repeated administration to dogs. *Int J Pharm.* [PMID: 22850293]

Details:

Citation using the HRP form of this antibody.

Bainbridge B, Verma RK, Eastman C et al. Role of *Porphyromonas gingivalis* phosphoserine phosphatase enzyme SerB in inflammation, immune response, and induction of alveolar bone resorption in rats. *Infect Immun.* [PMID: 20805334]

Details:

Citation using the Alkaline Phosphatase form of this antibody.

Sabirov A, Kodama S, Sabirova N et al. Intranasal immunization with outer membrane protein P6 and cholera toxin induces specific sinus mucosal immunity and enhances sinus clearance of nontypeable *Haemophilus influenzae*. *Vaccine.* [PMID: 15297063]

Details:

Citation using the HRP form of this antibody.

Ferro VA, Khan MA, Latimer VS et al. Immunoneutralisation of GnRH-I, without cross-reactivity to GnRH-II, in the development of a highly specific anti-fertility vaccine for clinical and veterinary use. *J Reprod Immunol.* [PMID: 11543851]

Details:

Citation using the HRP form of this antibody.



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### **Products Related to NB7100**

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NB100-524	NOD2 Antibody (2D9) - BSA Free
NBP1-96772	Human IgM Heavy Chain Isotype Control
7268-CT-100	CTLA-4 [Unconjugated]
NBP2-45731	beta-Galactosidase-1/GLB1 Antibody (OTI1C9)

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### **Limitations**

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

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