

# Product Datasheet

## Rabbit anti-Mouse IgA Heavy Chain Secondary Antibody NB7506

Unit Size: 1 ml

Store at 4C. Do not freeze.

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**NB7506****Rabbit anti-Mouse IgA 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>Purity</b>                      | Immunogen affinity purified                                                                                                                                                                                                  |
| <b>Buffer</b>                      | Phosphate Buffered Saline (PBS)                                                                                                                                                                                              |
| <b>Product Description</b>         |                                                                                                                                                                                                                              |
| <b>Host</b>                        | Rabbit                                                                                                                                                                                                                       |
| <b>Species</b>                     | Mouse                                                                                                                                                                                                                        |
| <b>Specificity/Sensitivity</b>     | By immunoelectrophoresis and ELISA this reacts specifically with mouse IgA. This may cross react with IgA from other species.                                                                                                |
| <b>Immunogen</b>                   | Mouse IgA                                                                                                                                                                                                                    |
| <b>Product Application Details</b> |                                                                                                                                                                                                                              |
| <b>Applications</b>                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin                                                                                                            |
| <b>Recommended Dilutions</b>       | Western Blot 1:1000-1:30000, ELISA Coating - 1:100-1:500 Primary - 1:1000-1:30000, Immunohistochemistry 1:200 - 1:2000, Immunocytochemistry/ Immunofluorescence 1:200 - 1:2000, Immunohistochemistry-Paraffin 1:200 - 1:2000 |



## Publications

Gabriel Vasconcelos Pereira, Marie Boudaud, Mathis Wolter, Celeste Alexander, Alessandro De Sciscio, Erica T Grant, Bruno Caetano Trindade, Nicholas A Pudlo, Shaleni Singh, Austin Campbell, Mengrou Shan, Li Zhang, Qinnan Yang, Stéphanie Willieme, Kwi Kim, Trisha Denike-Duval, Jaime Fuentes, André Bleich, Thomas M Schmidt, Lucy Kennedy, Costas A Lyssiotis, Grace Y Chen, Kathryn A Eaton, Mahesh S Desai, Eric C Martens Opposing diet, microbiome, and metabolite mechanisms regulate inflammatory bowel disease in a genetically susceptible host. *Cell host & microbe* 2024-04-15 [PMID: 38513656]

McGinley LM, Chen KS, Mason SN et al. Monoclonal antibody-mediated immunosuppression enables long-term survival of transplanted human neural stem cells in mouse brain *Clinical and Translational Medicine* 2022-09-13 [PMID: 36101963] (Immunohistochemistry-Paraffin, In vivo assay)

Pereira GV, Boudaud M, Wolter M et al. Unravelling specific diet and gut microbial contributions to inflammatory bowel disease *Research Square* 2023-05-26 [PMID: 36993463] (ELISA)

Steimle A, Neumann M, Grant E et al. Gut microbiome-based prediction of autoimmune neuroinflammation *bioRxiv* 2023-04-17

Lei Z, Liu W, Nie Y et al. EpCAM Is Essential to Maintaining the Immune Homeostasis of Intestines via Keeping the Expression of plgR in the Intestinal Epithelium of Mice *Frontiers in Immunology* 2022-04-13 [PMID: 35493520]

Kaaij MH, Rip J, Jeucken KCM et al. Overexpression of Transmembrane TNF Drives Development of Ectopic Lymphoid Structures in the Bone Marrow and B Cell Lineage Alterations in Experimental Spondyloarthritis *Journal of immunology (Baltimore, Md. : 1950)* 2021-09-24 [PMID: 34561228]

Lei Z, Yang L, Lei Y et al. High Dose Lithium Chloride Causes Colitis through Activating F4/80 Positive Macrophages and Inhibiting Expression of Pigr and Claudin-15 in the Colon of Mice *Toxicology* 2021-04-23 [PMID: 33901603]

Magri G, Comerma L, Pybus M et al. Human Secretory IgM Emerges from Plasma Cells Clonally Related to Gut Memory B Cells and Targets Highly Diverse Commensals *Immunity* 2017-07-16 [PMID: 28709802]

Bice BD, Stephens MR, Georges SJ et al. Environmental Enrichment Induces Pericyte and IgA-Dependent Wound Repair and Lifespan Extension in a Colon Tumor Model *Cell Rep* 2017-04-27 [PMID: 28445727] (IF/IHC)

Hossain MJ, Mori I, Dong L et al. Egg-adapted replication-restricted virus protects mice against lethal influenza. *Vaccine* 2000-07-01 [PMID: 10856787]





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### **Products Related to NB7506**

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|                  |                                       |
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| NBP3-20648-100ug | IgA Heavy Chain Antibody (IGHA/7567R) |
|------------------|---------------------------------------|

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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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