

# Product Datasheet

## Goat anti-Mouse IgD Fc Secondary Antibody NBP2-69334

Unit Size: 10 mg

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

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**NBP2-69334****Goat anti-Mouse IgD Fc Secondary Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	10 mg
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute by adding 1 ml sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20C.
<b>Purity</b>	Protein G purified
<b>Buffer</b>	Lyophilized from PBS (pH 7.2)

<b>Product Description</b>	
<b>Description</b>	The lyophilized 7S (IgG) fraction is shipped at ambient temperature and may be stored at 4C; prolonged storage at or below -20C. Prior to use, an aliquot is thawed slowly at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at 4C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the product.
<b>Host</b>	Goat
<b>Species</b>	Mouse
<b>Reactivity Notes</b>	Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this immunoconjugate has not been tested in detail.
<b>Specificity/Sensitivity</b>	The reactivity of the antiserum is directed to the Fc subunit of the IgD molecule which expresses strict isotypic (class) specificity. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations against serum of mice belonging to different allotypic groups, a single precipitin line is obtained which show a reaction of identity with the precipitin lines obtained with the purified IgD of BALB/C and C57BL origin used as immunogens. It does not react with IgG, including all subclasses, IgM and IgG/Fab or any non- Ig protein in mouse serum, as tested by immunoelectrophoresis and double radial immunodiffusion. The antiserum also reacts with membrane-bound IgD in peripheral blood cells of different mouse strains as tested by immunofluorescence microscopy.
<b>Immunogen</b>	Purified polyclonal and monoclonal IgD isolated from BALB/C and C57BL mouse serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Dot Blot, ELISA, Immunoblotting, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunoblotting 1:100 - 1:2000, Dot Blot 1:100-1:2000
<b>Application Notes</b>	Indirect immunofluorescence



## Publications

Yang Zhang, Laura Garcia-Ibanez, Carolin Ulbricht, Laurence S. C. Lok, Jeremy A. Pike, Jennifer Mueller-Winkler, Thomas W. Dennison, John R. Ferdinand, Cameron J. M. Burnett, Juan C. Yam-Puc, Lingling Zhang, Raul Maqueda Alfaro, Yousuke Takahama, Izumi Ohigashi, Geoffrey Brown, Tomohiro Kurosaki, Victor L. J. Tybulewicz, Antal Rot, Anja E. Hauser, Menna R. Clatworthy, Kai-Michael Toellner Recycling of memory B cells between germinal center and lymph node subcapsular sinus supports affinity maturation to antigenic drift Nature Communications 2022-05-05 [PMID: 35513371]



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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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