

## Goat anti Mouse IgM (Fc specific) Secondary Antibody

Goat anti Mouse IgM (Fc specific), conjugated with Horseradish peroxidase

| CATALOG # | HOST | REACTIVITY | APPLICATIONS                                                                         |
|-----------|------|------------|--------------------------------------------------------------------------------------|
| AAA77556  | Goat | Mouse      | Immunoblot, Western Blot, Dot Blot, Immunohistochemistry, Immunocytochemistry, ELISA |

### PRODUCT SYNONYMS

Goat anti Mouse IgM (Fc specific); Polyclonal Secondary Antibody; conjugated with Horseradish peroxidase; Goat anti Mouse IgM (Fc specific) secondary antibody

### PRODUCT SPECIFICATIONS

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| Host                                                                             | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity                                                                       | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Clonality                                                                        | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Specificity                                                                      | Horseradish peroxidase-conjugated IgG fraction of polyclonal Goat antiSerum to Mouse IgM, Fc specific                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for Goat anti Mouse IgM (Fc specific) secondary antibody | IB (Immunoblot), DB (Dot Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source                                                                           | Purified homogenous IgM isolated from pooled mouse serum. Immunization with intact ( 19S) abd split IgM (7S). Freund's complete adjuvant is used in the first step of the immunization procedure.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Procedure                                                                        | Peroxidase-coupled purified hyperimmune goat IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity. It is reconstituted by adding 1 ml sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below - 20 degree C.                                                                                                                                                                                                                                                       |
| Cross Reactivity Note                                                            | 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 antiSerum has not been tested in detail, however in double radial diffusion a reaction with Rat IgM has been observed.                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage                                                          | The lyophilized conjugate is shipped at ambient temperature and may be stored at +4 degree C; prolonged storage at or below -20 degree C. 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 +4 degree C, 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 immunoconjugate. |

### ADDITIONAL INFORMATION

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| Related Product Information for Goat anti Mouse IgM (Fc specific) secondary antibody | The reactivity of the antiserum is directed to the Fc subunit of the IgM molecule which expresses strict isotypic (class) specificity. It does not react with purified IgG, IgG/Fab fragments and IgA or any non-Ig protein in mouse serum, as tested by immunoelectrophoresis and double radial immunodiffusion. In enzyme-immunocytochemical and immunohistochemical staining for the detection of IgM at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates; to demonstrate circulating IgM antibodies in microbiology and autoimmune diseases; to identify a specific antigen using a reference antibody of mouse origin known to be of the IgM isotype in the middle layer of the indirect test procedure; in non-isotopic assay methodology (e.g. ELISA) to measure IgM in mouse serum or other body fluids. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal. |
| Product Categories/Family for Goat anti Mouse IgM (Fc specific) secondary antibody   | Conjugated Secondary Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/goat-anti-mouse-igm-fc-specific-secondary-antibody-immunoblot-dot-blot-immunohistochemistry-immunocytochemistry-elisa/77556>