

# Goat anti-Human IgM Secondary Antibody, Biotin

| Product Details    |   |
|--------------------|---|
| Size               | 500 µg  |
| Species Reactivity | Human   |
| Host/Isotype       | Goat / IgG  |
| Class              | Polyclonal  |
| Type               | Secondary Antibody  |
| Conjugate          | Biotin  |
| Form               | Liquid  |
| Concentration      | 0.5 mg/mL   |
| Purification       | purified  |
| Storage buffer     | PBS, pH 7.8, with 1mg/mL BSA  |
| Contains           | 0.08% sodium azide  |
| Storage conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. Glycerol (1:1) may be added for added stability. |
| RRID               | AB_228278   |

| Applications                      | Tested Dilution    | Publications |
|-----------------------------------|--------------------|--------------|
| Western Blot (WB)                 | 1:20,000-1:400,000 | -            |
| Immunohistochemistry (IHC)        | 1:500-1:5,000      | -            |
| Immunocytochemistry (ICC/IF)      | 1:500-1:5,000      | -            |
| In Situ Hybridization (ISH) (ISH) | Assay-dependent    | -            |

## Product Specific Information

Product # 31778 has been successfully used in Western blot, IF, ICC, IHC and ISH applications.

Product # 31778 reacts with the heavy chains of human IgM, but does not react against non-immunoglobulin serum proteins. Based on solid-phase enzyme immunoassay, this antibody cross-reacts with rabbit IgM, swine IgM (25%) rat IgM (12%) guinea pig IgG (6%) mouse IgM (3%) dog IgM (1%), and it has minimal cross-reactivity with immunoglobulins from other species.

## 4 References

UNG-RPA interaction governs the choice between high-fidelity and mutagenic uracil repair bioRxiv (2024)

B cells expressing IgM B cell receptors of HIV-1 neutralizing antibodies discriminate antigen affinities by sensing binding association rates. Cell Rep (2022)

Neuronal aging potentiates beta-amyloid generation via amyloid precursor protein endocytosis bioRxiv (2019)

Bin1 and CD2AP polarise the endocytic generation of beta-amyloid. EMBO Rep (2017)

Strand-specific RNA-Seq transcriptome analysis of genotypes with and without low-phosphorus tolerance provides novel insights into phosphorus-use efficiency in maize. BMC Plant Biol (2016)

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