ImmunoBioScience Corp. (IBSC) *DATA SHEET*

Peroxidase conjugated anti-Human IgM (Fc 5µ fragment specific) Affinity pure (Minimum cross reactivity with bovine, horse, mouse and rabbit serum proteins)

**Catalog number:**  SA-9012-12

**Description:** This affinity pure anti-human IgM (µ chain specific) was purified from healthy goat immunized with purified Fc 5µ chain of human IgM. The immunized serum was delipidated and heat inactivated at 56ºC before affinity purification. The purified antibody was treated with pH 2.8 for at least 30 minutes. Peroxidase is a glycoprotein enzyme (MW 44 KDa) isolated from horseradish roots. This enzyme has a hemin prosthetic group and is bound to Ca++. Activity is reported using pyrogallol as substrate. Using 2,2´-azino-bis (3-ethylbenzthiazoline-6-sulfonic acid (ABTS). The RZ (Reinheitszahl) is absorbance ratio A430/A275 and is ~3.0

**Antibody Concentration:** 1 mg/ml

**Intended Use**: Immunohistochemistry (IHC) Immunocytchemistry (ICC), ELISA, and

Western blotting (WB)

**Storage**: 2-8°C

**Buffer:** 10 mM phosphate, 200 mM NaCl, pH 7.6, BSA 10 mg/ml and 0.05% Proclin 300

**Recommended Dilution:** ELISA 1:25,000-1:200,000

IHC, ICC 1:400-1:5,000

WB using chromogen substrate 1:20,000-1:200,000

WB using ECL substrates 1:25,000-1:1:800,000

*These are guide lines, the optimum dilution should be determined by the individual lab.*

**Caution: Peroxidase reagents are destroyed by sodium azide and should be avoided in all buffers and reagents**

**Immunogen:** Purified human IgM Fc 5µ fragment

**Antibody specificity:** The antibody was purified on immunoaffinity human IgM column. Using ELISA, this antibody reacts with human IgM and does not react with human IgG or IgA immunoglobulins. This antibody does not cross react with non-immunoglobulin serum proteins. On ELISA this antibody has minimum cross reactivity with bovine, horse, mouse and rabbit serum proteins; but it may cross-react with IgM from other species.

**Limitation and warranty:** Our warranty is limited to the actual price paid for the product. We are not liable for any property damage, personnel injury, time, effort or economic loss due to our product.

**MSDS:**  Avoid skin and eye contact with all laboratory products. Use appropriate laboratory gear, lab coat , gloves and safety glasses. Do not ingest any laboratory products. This product is not approved for administration in human or animals.

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