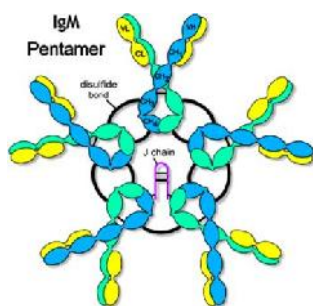


Product Data Sheet

Normal/Pre-immune Control Pig/Swine IgM (Isotype Controls)

– Cat# 20017-2-1	Pig IgM (swine non-immune, isotype control), purified	Size: 1 mg
– Cat# 20017-2-1-B	Pig IgM-Biotin conjugate (isotype control), purified	Size: 0.1 mg
– Cat# 20017-2-1-F	Pig IgM-FITC conjugate (isotype control)	Size: 0.1 mg
– Cat# 20017-2-1-HP	Pig IgM-HRP conjugate (isotype control)	Size: 0.1 mg



A healthy non-immunized population of Pig (swine) was used to collect serum. This product was prepared from normal serum by a multi-step process which includes delipidation, selective precipitation and tandem molecular sieve chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis

resulted in a single precipitin arc against anti-Pig (swine) Serum and anti-Pig (swine) IgM (μ chain specific). No reaction was observed against anti-Pig (swine) IgG F(c). Some light chain cross reactivity will occur with anti-Pig (swine) Pig IgG). Highly purified Pig serum IgM was labeled with purified preparation of calf intestinal alkaline phosphatase (AP), (horseradish peroxidase) HRP, Biotin or FITC or PE.

Form and Storage

Cat# 20017-2-1, unlabeled

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** or **liquid** form (lot specific conc provided on the vial). Reconstitute powder in PBS to prepare stock solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

In most applications, Pig IgM is used at 0.1-1 ug/ml.

Cat# 20017-2-1-F, FITC-conjugate

Purified IgM was coupled to FITC at F/P ratio ~5. The antibody is supplied in PBS, pH 7.4, 1% BSA, 40% glycerol and 0.05% azide (see lot sp. concn on the vial). Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:50-1:500 for immunofluorescence.

Absorption Wavelength: 495 nm
Emission Wavelength: 528 nm

Cat# 20017-2-1-B, Biotin-conjugate

Purified IgM was coupled to Biotin using Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) at F/P ratio ~10-20:1. The antibody is supplied in PBS, pH 7.4, 1% BSA and 0.05% azide in

either **lyophilized** or **liquid** form (see lot sp. concn on the vial). Reconstitute powder in PBS to prepare stock solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:1000-1:10,000 ELISA.

Cat# 20017-2-1-HP; HRP-conjugate

Purified IgM was coupled to HRP (RZ>3.0) using periodate method. The molar enzyme to protein (E/P) ratio = 4.0. The antibody is supplied in stabilizing buffer, 0.1% prolcin-300 as preservative in either **lyophilized** or **liquid** form (see lot specific concn on the vial). Reconstitute powder in PBS in 100 ul. Store at 4oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:1,000-1:10,000 ELISA, 1:1K-1:5K for western, and 1:200-1:1000 (IHC).

Recommended Working Dilution for ELISA

Working dilution for the specific application should be determined by the investigator to obtain the best conditions and prepared immediately before use. Diluted solution should be discarded. This product can be used in immunodiffusion, ELISA, flow cytometry, immunofluorescence, or immunolocalization.

This product is for in vitro research use only.

MSDS: This product is considered non-hazardous as defined by OSHA (CFR 1910.1200. Nov 25, 1983). It can be disposed of in the drain.

Related Material available for ADI

ELISA kits for Pig IgM, IgM, and IgE

Catalog#	ProdDescription
20017-1	Pig IgM (swine non-immune, isotype control), purified
20017-2-B	Pig IgM-Biotin conjugate (swine non-immune, isotype control), purified
20017-2-F	Pig IgM-FITC conjugate (swine non-immune, isotype control), purified
20017-2-HP	Pig IgM-HRP conjugate (swine non-immune, isotype control), purified
20017-2-1	Pig IgM (swine non-immune, isotype control),
20017-2-1-B	Pig IgM-Biotin (swine non-immune, isotype control),
20017-3-B	Pig IgM Fc-Biotin conjugate (swine non-immune, isotype control), purified
20017-3-F	Pig IgM Fc-FITC conjugate (swine non-immune, isotype control), purified
20017-3-HP	Pig IgM Fc-HRP conjugate (swine non-immune, isotype control), purified
20017-3-UL	Pig IgM Fc (swine non-immune, isotype control),
20017-4-100	Pig IgA (swine non-immune, isotype control), purified

20017-2-Con-Pig-IgM 150723AA

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