

**AM03216PU-N****Monoclonal Antibody to Porcine IgM - Aff - Purified**

<b>Alternate names:</b>	Pig Immunoglobulin M
<b>Quantity:</b>	0.2 mg
<b>Concentration:</b>	0.4 mg/ml IgG (after reconstitution)
<b>Background:</b>	<p>IgM antibodies form a major proportion of the primary antibody response, whereas the secondary response consists almost entirely of IgG. IgMs are often referred to as macroglobulins because of their high molecular weight. They form a pentameric structure consisting of five subunits and a single J-chain. Each subunit contains the well-known pairs of heavy and light chains, with the particular feature of the heavy (<math>\mu</math>) chain containing one variable and four constant regions. The molecular weight of intact IgM is approximately 900kDa. In polyacrylamide gel electrophoresis under denaturing conditions, the heavy chain migrates as a band of approximately 85kDa.</p>
<b>Host / Isotype:</b>	Mouse / IgG2b
<b>Clone:</b>	206-2
<b>Immunogen:</b>	Porcine IgM.
<b>Format:</b>	<p><b>State:</b> Lyophilized purified IgG fraction <b>Purification:</b> Affinity Chromatography <b>Buffer System:</b> PBS, pH 7.2 containing 5 mg/ml BSA as a stabilizer and 0.09% Sodium Azide as preservative <b>Reconstitution:</b> Restore with 0.5 ml distilled water to make stock solution.</p>
<b>Applications:</b>	<p><b>ELISA:</b> 0.1 <math>\mu</math>g/ml (1/4000). <b>Immunoprecipitation.</b> <b>Immunohistochemistry on Frozen Sections:</b> 0.2 <math>\mu</math>g/ml (1/2000). <b>Immunohistochemistry on Paraffin Sections</b> (Does not react on routinely processed Paraffin Section). Does not react in Western Blot with reduced and denatured samples. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
<b>Specificity:</b>	<p>Monoclonal antibody AM03216PU-N (Clone 206-2) recognizes the Porcine Immunoglobulin M (IgM) antibody protein (Minimal reaction with IgG). <b>Tissue Sections:</b> B-cells and macrophages are stained in Swine spleen.</p>
<b>Species Reactivity:</b>	<b>Tested:</b> Porcine. Minimal Cross Reaction with Rat, Goat, Sheep, Donkey, Human (all < 0.1%) and Rabbit (0.1%).
<b>Storage:</b>	<p>Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.</p>

**Pictures:**

Immunohistochemical staining of Swine Spleen Frozen Section using Clone 206-2 AM03216PU-N antibody.

