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Monoclonal Antibody To Porcine IgM

Monoclonal antibody 206-2 recognizes the porcine Immunoglobulin M (IgM) antibody protein. 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 (µ) 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.

Product number: T-3502
Clone: 206-2
Lot: 01PO1002
TECHNICAL AND ANALYTICAL CHARACTERISTICS:

Host species, subclass:	Mouse IgG2b kappa1
Quantity:	200µg
Format:	Affinity purified, lyophilized
	Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.09% sodium azide as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C
	Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for immunohistochemistry (IHC), ELISA and immunoprecipitation. Does not react in Western Blot with reduced and denatured samples.
	Approximate working dilutions: IHC, frozen sections: 0.2µg/ml (1:2000) IHC, paraffin sections: does not react on routinely processed paraffin sections.
	ELISA: 0.1µg/ml (1:4000)
	Optimal dilutions should be determined by the end user.
	Please see **www.bma.ch** for protocols and general information.
Immunogen:	Porcine IgM

Antigen, epitope:	The epitope has not been characterized
Antigen distribution:	**Tissue sections:** B-cells and macrophages are stained in swine spleen.
Specificity:	**Pig:** IgM, minimal reaction with IgG **Other species:** Minimal cross reaction with rat, goat, sheep, donkey, human (all <0.1%) and rabbit (0.1%).

For *in vitro* research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.