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Product Specification

Product Name:

Anti-Mouse IgM (μ-chain specific) antibody produced in goat – affinity isolated antibody, lyophilized powder

Product Number: M8644

MDL: MFCD00145913

Storage Temperature: 2 - 8 °C

TEST

Specification

Appearance (Color)	White to Off-White
Appearance (Form)	Powder
Solubility (Turbidity)	Clear to Slightly Hazy
after reconstitution with 1 ml of 0.135 M NaCl	
Solubility (Color)	Colorless
after reconstitution with 1 ml of 0.135 M NaCl	
Solubility (Form)	Solution
after reconstitution with 1 ml of 0.135 M NaCl	
Protein Concentration by E280	1.0 - 1.5 mg/ml
after reconstitution	
(Extinction Coefficient at 0.1% = 1.4)	
Titer by SRID	0.5 - 4.0 mg/ml
1 mg precipitates 0.5-4.0 mg Mouse IgM lambda	
Purity by IEP	Conforms
Single arc of precipitation in the gamma region when 5 μg is reacted versus 100 μl of anti-Goat Whole Serum and 100 μl of anti-Goat IgG.	
Identity by IEP	Conforms
Single arc of precipitation in the gamma region when 100 μg are reacted versus 5 μl of Normal Mouse Serum containing bromophenol blue, and 5 μg of Mouse IgM.	
Indirect ELISA	Conforms
Cross-reactivity against a 5 μg/ml coat of normal Mouse IgG and Mouse IgA kappa must be < /= 10% in a range where the positive reaction with Mouse IgM kappa is titrating out. If IgM kappa is not available IgM lambda may be substituted.	

Specification: PRD.4.ZQ5.10000010471

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.