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## Product Specification

Product Name:

Anti-Mouse IgG (whole molecule) antibody produced in goat – affinity isolated antibody, lyophilized powder

Product Number: **M8645**

MDL: MFCD00162638

Storage Temperature: 2 - 8 °C

TEST	Specification
Appearance (Color)	White to Off-White
Appearance (Form)	Solid
Solubility (Turbidity)	Clear to Slightly Hazy
1 mg/ml of 0.135 M sodium chloride.	
Solubility (Color)	Colorless
1 mg/ml of 0.135 M sodium chloride.	
Solubility (Form)	Solution
1 mg/ml of 0.135 M sodium chloride.	
Protein Concentration by E280	1.00 - 1.50 mg/ml
Extinction Coefficient @ 0.1% = 1.4	
Titer by SRID	0.5 - 3.0 mg/ml
1 mg precipitates 0.5 mg - 3.0 mg of normal Mouse IgG.	
Specificity by IEP	Conforms
Single arc of precipitation in the gamma-region when 100 µg is reacted versus 5 µl of normal mouse serum containing bromophenol blue and 5 µg of normal mouse IgG.	
No arc of precipitation when 100 µg is reacted versus 5 µl of normal human serum containing bromophenol blue and 5 µg of normal Human IgG.	
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 anti-goat IgG.	
Cross-Reactivity	Conforms
by ODD: Line of identity when 25 µg is reacted versus 10 µg of: Normal Mouse IgG, IgG1 (kappa), IgG2a (kappa and lambda), IgG2b(kappa) and IgG3 (kappa and lambda). May also react with 10 µg of Mouse IgA (kappa), IgM (lambda and kappa). No reaction when 25 µg are reacted versus 10 µg of normal Human IgG.	

Specification: PRD.0.ZQ5.10000029324

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](http://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.