

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

Anti-Mouse IgG1 (heavy chain specific) antibody produced in goat – affinity isolated antibody, lyophilized powder

Product Number:**M8770****MDL:**

MFCD00162649

Storage Temperature:

2 - 8 °C

TEST**Specification**

Appearance (Color)	White to Off-White
Appearance (Form)	Solid
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	1.00 - 1.50 mg/ml
Extinction coefficient @ 1% = 1.4 (post lyophilization)	
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 Mouse IgG1(kappa).	
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.	
Titer by SRID	0.5 - 2.0 mg
Mouse IgG1	
Ouchterlony Double Diffusion	Conforms
Cross-reactivity: Single line of precipitation when 25 µg is reacted versus 10 µg of Mouse IgG and Mouse IgG1(kappa).	
No reaction when 25 µg is reacted versus 10 µg of Mouse IgG2a(kappa and lambda), Mouse IgG2b(kappa), Mouse IgG3(kappa and lambda), Mouse IgM(kappa and lambda), and Mouse IgA(kappa).	

Remarks:

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.

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Reviewing Chemist : SVOSS1
collective co-product, test at sku

Specification: PRD.0.ZQ5.10000011730

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