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Product Specification

Product Name:

Anti-Mouse IgG2a (heavy chain specific) antibody produced in goat - affinity isolated antibody, lyophilized powder

Product Number: M4434**MDL:** MFCD02570704**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	
Protein Concentration by E280	1.00 - 1.50 mg/ml
after reconstitution	
(Extinction Coefficient 0.1%= 1.4)	
Specificity by IEP	Conforms
Single or double arcs of precipitation in the gamma region when 100 µg are reacted versus 5 µL of Normal Mouse Serum containing Bromophenol Blue, 5 µg Mouse IgG2a kappa, and 5 µg Mouse IgG2a 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 anti-Goat IgG.	
Ouchterlony Double Diffusion	Conforms
Arc of identity when 25 µg is reacted versus 10 µg of Mouse IgG2a kappa and IgG2a lambda.	
No reaction when 25 µg are reacted versus 10 µg of Mouse IgG1 kappa, IgG2b kappa, IgG3 kappa, IgG3 lambda, IgM lambda, IgM kappa, and IgA kappa.	

Specification: PRD.0.ZQ5.10000011678

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.