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Product Specification

Product Name:

Anti-Human IgG (γ-chain specific) antibody produced in goat – affinity isolated antibody, lyophilized powder

Product Number: **I3382**

MDL: MFCD00162442

Storage Temperature: 2 - 8 °C

TEST

Specification

Appearance (Color)	White to Off-White
Appearance (Form)	Solid
Solubility (Turbidity)	Clear to Slightly Hazy
(after reconstitution to 1 mg/ml with 0.135 M NaCl)	
Solubility (Color)	Colorless
(after reconstitution to 1 mg/ml with 0.135 M NaCl)	
Solubility (Form)	Solution
(after reconstitution to 1 mg/ml with 0.135 M NaCl)	
Protein Concentration by E280	1.00 - 1.50 mg/ml
(after reconstitution)	
Titer by SRID	0.5 - 2.0 mg/ml
1 mg will react with 0.5-2.0 mg of normal human IgG	
Identity by IEP	Conforms
Single arc of precipitation in the gamma region when 100 µg is reacted versus 5 µl of normal human serum containing bromophenol blue and 5 µg of 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 serum and 100 µl of anti-goat IgG.	
Indirect ELISA	Conforms
Less than 10% cross reactivity at the nearest dilution to the working dilution when tested against the following human source antigens: IgM kappa and lambda, IgA kappa and lambda, BJ kappa lambda, at 5µg/ml. NOTE: If IgM kappa, or IgM lambda, are not available, substitute IgM normal. The same applies to IgA.	

Specification: PRD.3.ZQ5.10000006890

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.