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## Product Specification

Product Name:

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

Product Number: **I6284**

MDL: MFCD00162427

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 with 0.135 M sodium chloride	
Solubility (Color)	Colorless
1 mG/mL with 0.135 M sodium chloride	
Solubility (Form)	Solution
1 mG/mL with 0.135 M sodium chloride	
Protein Concentration by E280	1.00 - 1.50 mg/ml
Extinction coefficient @ 0.1% = 1.4	
Identity by IEP	Conforms
Single arc of precipitation when 100 µG is reacted versus 5 µG of Human IgE. No reaction when 100 µG is reacted versus 5 µL of Normal Serum containing bromophenol blue.	
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. Faint second arc that co-migrates with the main arc may be seen.	
Cross-Reactivity	Conforms
Cross-Reactivity by Ouchterlony	
Line of identity seen when 25 µG is reacted versus 10 µG of human IgE.	
No reaction when 25 µG is reacted versus 10 µG of normal human IgG, normal human IgA, normal human IgM, Bence Jones Kappa and Bence Jones Lambda.	

Specification: PRD.2.ZQ5.10000007487

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.