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Native Human Myeloma IgE

Catalog No.	CNH005A CNH005B	**Quantity:**	100 µg 1.0 mg

Alternate Names: Immunoglobulin E

Description: IgE is the least abundant immunoglobulin in plasma, found at a concentration of less that 0.6 micrograms/ml of normal plasma. Elevated IgE levels are found in patients experiencing severe allergic reactions and parasitic infections. In a myeloma condition, IgE is produced by a single clone of plasma cells, either with kappa or lambda light chains. The structure of myeloma IgE, however, is normal, and the immunoglobulin purified from a myeloma source is a useful protein for studying immunoglobulin behavior. The affinity purified IgE reacted only with anti IgE and not with anti IgG, IgA, IgM or IgD by IEP and immunodiffusion.

Source: Human myeloma plasma

Formulation: 15 mM Potassium Phosphate, 150 mM NaCl, 0.05% sodium azide, pH 7.4

Purity: >95% by SDS-PAGE analysis
Single arc by IEP against antisera to whole human serum, human IgE and human kappa light chain.

Concentration: ~1.0 mg/ml, lot specific

Biological Activity: >100,000 U/ml, lot specific, using Monobind ELISA

Application Note: Centrifuge vial briefly before opening to ensure complete recovery.

Storage & Stability: Store at -80°C for at least 1 year from date of receipt. Upon initial thaw, prepare working aliquots and store at -80°C. **Avoid repeated freeze-thaw cycles.**

Country of Origin: USA

Certification: Prepared from plasma shown to be non-reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

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