

IGHE

Native Human Myeloma IgE, Partially Purified

Catalog No.	CNH024	Quantity:	1.0 mg
Alternate Names:	Immunoglobulin E		
Description:	<p>This product is Human IgE, produced in cell culture from a IgE secreting human myeloma cell line. This IgE product has advantages of less lot-to-lot variation, more uniform product (monoclonal vs. polyclonal) than IgE from human plasma. It is partially purified, with any remaining contaminants from the FBS used in cell culture.</p> <p>IgE is the least abundant immunoglobulin in plasma, found at only 0.05% of the Ig concentration, compared to 75% for the IgGs at 10 mg/ml. 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. The structure of myeloma IgE, however, is normal, and the immunoglobulin purified from a human myeloma cell line 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 immunodiffusion and IEP techniques.</p>		
UniProt ID:	P01854		
Concentration:	> 5.0 mg/ml, by Cobas IgE, lot specific		
Source:	Human IgE myeloma cell line		
Molecular Weight:	200 kDa		
Formulation:	100 mM Tris-HCl, 200 mM NaCl, pH 7.5		
Purity:	Partially purified from cell culture supernatant with residual impurities from fetal bovine serum used in cell culture.		
Storage & Stability:	Store at -20°C to -80°C. Upon initial thawing, prepare working aliquots and store at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		
Certification:	Tested negative for HIV, HBV, HCV by currently approved FDA methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at Bio-Safety Level 2 (BSL 2) as recommended for potentially infectious human serum or blood specimen in the CCD/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 2009.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

