

**Human IgE (non-immune)****Human monoclonal antibody (non-immune)**

Subclass: IgE/k

PRODUCT NO.	<b>DIA HE1A-01 / DIA HE1A-1</b>
PRESENTATION	Clone: HE1 Production: In vitro hollow fibre production system Preparation: Protein L purified Content: DIA HE1A-01: 100 µL, 1mg/mL DIA HE1A-1: 1 mL, 1mg/mL Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.15 M NaCl and 0.09 % azide Storage: For long term storage, -18 to -22°C is recommended, but it may be stored for short term use at 2 to 8°C. The expiry date on the vial refers to storage at -18 to -22°C. Repeated freeze/thawing is not recommended.
PREPARATION	This product is purified human IgE with kappa light chains produced in vitro from a monoclonal hybridoma. Original material is obtained from a healthy donor tested negative by US-FDA approved tests against HIV, HCV and Hepatitis B, but must be handled as potentially infectious as all human material. The purity of the human IgE is > 90%, tested by SDS-PAGE. As the IgE comes from a monoclonal cell line, there is no contamination of antibodies of other isotypes. The human IgE is purified by Protein L chromatography. The remaining contaminants are mainly components from Foetal Bovine Serum. 1 mg of DIA HE1A is 380,000± 50,000 IU/ml using Siemens total IgE Immulite 2000 kit.
APPLICATION	This antibody is well suited as a standard in IgE quantifying assays due to its very low batch-to-batch variation. Other applications include immunochemistry and cellular immunology research.
REFERENCES	Chang C-C, Chen C-Y, Zhao X, Wu T-H, Wei S-C, Lin C-W (2014) Label-free colorimetric aptasensor for IgE using DNA pseudoknot probe. <i>Analyst</i> 139:3347-3351. Šnejdárková M, Svobodová L, Polohová V, Hianik T (2007) The study of surface properties of an IgE-sensitive aptasensor using an acoustic method. <i>Anal Bioanal Chem</i> 290:1087-1091. Papamichael KI, Kreuzer MP, Guilbault GG (2007) Viability of allergy (IgE) detection using an alternative aptamer receptor and electrochemical means. <i>Sensor Actuat B-Chem</i> 121:178-186. More references are available at <a href="http://www.bioporto.com">www.bioporto.com</a>

**CONDITIONS**

Unless otherwise marked, all products are for research use only. Not for use in diagnostic procedures. Not for use in human therapeutic applications. For in vitro use or further manufacture only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The foregoing is in lieu of all warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose. In no event shall BioPorto Diagnostics A/S be responsible for loss of profits or indirect consequential losses resulting from use of its products.