

## Certificate of Analysis

|                                    |   |
|------------------------------------|---|
| <b>Product:</b>                    | 38B7 anti Ara h 2 hlgE mAb  |
| <b>Product Code:</b>               | E-38B7  |
| <b>Lot Number:</b>                 | xxxxx   |
| <b>Antibody Clone:</b>             | 38B7-IgE  |
| <b>Origin:</b>                     | Monoclonal antibody derived from a patient allergic to peanut.  |
| <b>Specificity:</b>                | Ara h 2 ( <i>Arachis hypogaea</i> allergen).  |
| <b>Total IgE Concentration:</b>    | 50,000 IU/mL (+/- 20%) based on ImmunoCAP using WHO International Standard for Immunoglobulin E (IgE) (NIBSC code 11/234).      |
| <b>Quantity:</b>                   | 10,000 IU in 0.2mL (1.0 IU = ~2.4ng IgE)  |
| <b>Formulation:</b>                | In phosphate buffered saline, pH 7.4 and 0.05% Tween-20. 0.22µm filtered, preservative free.                                    |
| <b>Specific IgE Concentration:</b> | 22,017 IU/mL based on ImmunoCAP using recombinant Ara h 2 (product code: F423)  |
| <b>Storage/Handling:</b>           | Maintain at -20°C for up to 12 months. Avoid repeated freeze-thaw cycles. Store product undiluted. No stability data available. |

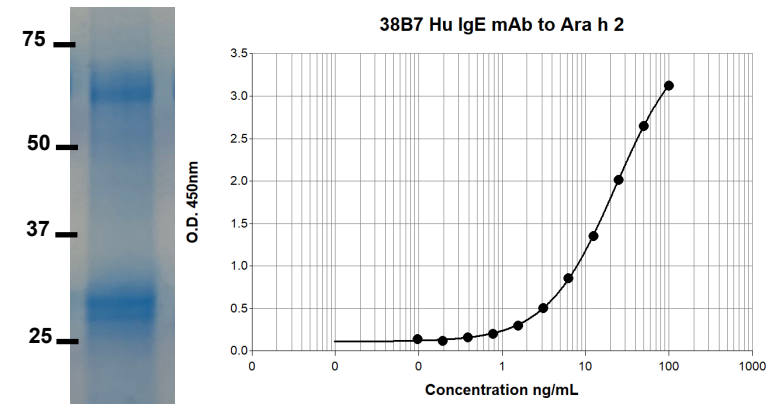
### Applications include:

- QC and validation of purified allergens for molecular diagnostics
- *In vitro* IgE diagnostic tests, calibrators, controls, alternatives to human sera
- Molecular reference standards for IgE
- Epitope analysis and localization of IgE epitopes
- Mast cell/basophil activation assays and histamine release
- Animal models of anaphylaxis

For research or *in vitro* diagnostic use only:  
Not for human *in vivo* or therapeutic use

An InBio® product. Made in the USA

## 38B7 Human IgE mAb to Ara h 2 Purity and Titration Curve



### Reference

Khatri K. et. al., Human IgE monoclonal antibody recognition of mite allergen Der p 2 defines structural basis of an epitope for IgE cross-linking and anaphylaxis in vivo, *PNAS Nexus*, 2022; 0:1-0.

Wurth, M.A. et al., Human IgE mAbs define variability in commercial *Aspergillus* extract allergen composition, *JCI Insight*. 2018;3 (20):e123387.

Bazaraal, M. and Hamburger, R.N., Standardization and stability of immunoglobulin E, *J Allergy Clin Immunol* 1972; 49:189-191. PMID 4622102.