



Complete List of Human IgE Monoclonal Antibodies to Allergen Molecules*

Foods

| Target Allergen | hIgE mAb | Product Code | Specific IgE kUA/L | Total IgE (+/- 20%) kUA/L |
|-----------------|----------|--------------|--------------------|---------------------------|
| Peanut | | | | |
| Ara h 1 | 3B10 | E-3B10 | 46,970 | 50,000 |
| | 4G4 | E-4G4 | 49,400 | 50,000 |
| Ara h 2 | 16A8 | E-16A8 | 28,233 | 50,000 |
| | 9H11 | E-9H11 | 16,347 | 50,000 |
| | 13D9 | E-13D9 | 20,407 | 50,000 |
| | 11F10 | E-11F10 | 28,540 | 50,000 |
| | 38B7 | E-38B7 | 22,017 | 50,000 |
| | 26C3 | E-26C3 | 43,880 | 50,000 |
| Ara h 3 | 3C3 | E-3C3 | 34,100 | 50,000 |
| Ara h 6 | 8F3 | E-8F3 | 33,365 | 50,000 |
| | 20G11 | E-20G11 | 42,235 | 50,000 |
| | 7B6 | E-7B6 | 23,860 | 50,000 |
| | 15C2 | E-15C2 | 40,933 | 50,000 |
| Red Meat | | | | |
| Alpha-gal | 16D9 | E-16D9 | 10,203 | 50,000 |
| | 10H8 | E-10H8 | 4,173 | 50,000 |
| Egg | | | | |
| Gal d 2 | 11B6 | E-11B6 | 81,083 | 50,000 |
| Gal d 4 | 1E7 | E-1E7 | 15,700 | 50,000 |
| Walnut | | | | |
| Jug r 1 | 9H7 | E-9H7 | 7,077 | 50,000 |
| Cashew | | | | |
| Ana o 3 | 2F5 | E-2F5 | 37,067 | 50,000 |

Complete List of hIgE mAb cont'd

| Target Allergen | hIgE mAb | Product Code | Specific IgE kUA/L | Total IgE (+/- 20%) kUA/L |
|------------------|----------|--------------|--------------------|---------------------------|
| Dust mite | | | | |
| Der p 2 | 2G1 | E-2G1 | 37,575 | 50,000 |
| | 2F10 | E-2F10 | 19,925 | 50,000 |
| | 1B8 | E-1B8 | 9,027 | 50,000 |
| Cat | | | | |
| Fel d 1 | 11A12 | E-11A12 | 52,667 | 50,000 |
| | 6A1 | E-6A1 | 14,933 | 50,000 |
| | 1B7 | E-1B7 | 18,033 | 50,000 |
| Fel d 4 | 1E18 | E-1E18 | 2,100 | 50,000 |
| Dog | | | | |
| Can f 1 | 1J11 | E-1J11 | 20,600 | 50,000 |
| Can f 6 | 13B6 | E-13B6 | 5,333 | 50,000 |

*Lot specific IgE data for human IgE monoclonal antibodies (hIgE mAb) determined by ImmunoCAP and expressed as kUA/L. The ratios of total IgE to specific IgE measured by ImmunoCAP vary by allergen and by individual hIgE mAb. The reasons for this variability are not known.

Non-overlapping hIgE mAb epitopes have been identified on Der p 2 (2F10, 2G1) and on Fel d 1 (11A12, 6A1).

The structure and biologic activity of the 2F10 hIgE mAb epitope on Der p 2 has recently been published: Khatri 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:

<https://doi.org/10.1093/pnasnexus/pgac054>

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