



# Human Anti-Human IgE (Omalizumab) Monoclonal Antibody, clone huMaE11 [Biosimilar] (CABT-Z680H)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |   |
|---------------------------|---|
| <b>Specificity</b>        | Detects human IgE. This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Omalizumab.   |
| <b>Immunogen</b>          | Human IgE protein.  |
| <b>Isotype</b>            | IgG1, κ   |
| <b>Source/Host</b>        | Human   |
| <b>Species Reactivity</b> | Human   |
| <b>Clone</b>              | huMaE11   |
| <b>Purification</b>       | Protein A or G purified   |
| <b>Conjugate</b>          | Functional Grade  |
| <b>Applications</b>       | FA  |
| <b>Format</b>             | Liquid  |
| <b>Concentration</b>      | Lot specific  |
| <b>Size</b>               | 5 mg  |
| <b>Buffer</b>             | 0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free. Endotoxin Level $\leq$ 0.75 EU/mg as determined by the LAL method |

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|---------------------|--|
| <b>Preservative</b> | None   |
| <b>Storage</b>      | Store at 2-8°C for short term; -80°C for long term. Avoid freeze / thaw cycle. |
| <b>Ship</b>         | Wet ice  |

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## BACKGROUND

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|---------------------|---|
| <b>Introduction</b> | IgE is the class of antibodies produced in the lungs, skin, and mucous membranes. It may protect against parasite invasion, but it is a major factor in allergic reactions. The antigen-specific IgE interacts with mast cells and eosinophils, triggers the release of histamine, leukotrienes and other substances that lead to the itching, sneezing and congestion of allergies - and the life threatening respiratory distress of asthma and anaphylactic shock. |
| <b>Keywords</b>     | immunoglobulin heavy constant epsilon; IgE  |

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## GENE INFORMATION

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|-------------------|------------------------|
| <b>Gene Name</b>  | IGHE                   |
| <b>UniProt ID</b> | <a href="#">P01854</a> |

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