

Mouse anti-Human IgE, Clone 4H10, (Monoclonal)

Clone no. 4H10

MONOSAN

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|---------------------------|--|
| Product name | Mouse anti-Human IgE, Clone 4H10, (Monoclonal) |
| Host | Mouse |
| Applications | FC , ELISA |
| Species reactivity | Human |
| Conjugate | - |
| Immunogen | Purified human IgE. |
| Isotype | IgG1 |
| Clonality | Monoclonal |
| Clone number | 4H10 |
| Size | 0.1 mg |
| Concentration | 1 mg/ml |
| Format | Purified by protein-A affinity chromatography. |
| Storage buffer | Phosphate buffered saline (PBS) solution with 15 mM sodium azide |
| Storage until expiry date | 2-8°C |

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Immunoglobulin E (IgE) is a 180 kDa soluble protein serving as an antigen-specific unit of mast cell effector mechanisms. IgE has the lowest serum concentration of all immunoglobulins (approximately 0.5 mg/l) in healthy individuals, but upon allergen challenge its concentration in blood increases dramatically. Although biological survival of free IgE is very short ($T_{1/2} = 2$ days), it is stabilized after binding to its high affinity receptor. Unlike IgM- IgG- and IgA-committed B cells, IgE-switched B cells do not undergo clonal expansion.

References

1. -
2. -
3. -
4. -
5. -

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