

1F-326-C100

Monoclonal Antibody to IgE Fluorescein (FITC) conjugated (0.1 mg)

Clone:	4H10
Isotype:	Mouse IgG1
Specificity:	The antibody 4H10 reacts with human IgE; it recognizes an epitope different from the ones recognized by BE5 and 4G7 antibodies to IgE.
Regulatory Status:	RUO
Immunogen:	Purified human IgE.
Species Reactivity:	Human
Preparation:	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC.
Concentration:	0.1 mg/ml
Storage Buffer:	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	The reagent is designed for Flow Cytometry analysis. Suggested working dilution is 2-5 µg/ml. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.
Expiration:	See vial label
Lot Number:	See vial label
Background:	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.

For laboratory research only, not for drug, diagnostic or other use.



Antibodies

References:

*Franklin EC: Structure and function of immunoglobulins. Acta Endocrinol Suppl (Copenh). 1975;194:77-95.
*Fuller JM, Keyser JW: Serum immunoglobulins after surgical operation. Clin Chem. 1975 May;21(6):667-71.
*Balogh Z, Merétey K, Falus A, Bozsóky S: Serological abnormalities in juvenile chronic arthritis: a review of 46 cases. Ann Rheum Dis. 1980 Apr;39(2):129-34.
*Brinkmann V, Heusser CH: T cell-dependent differentiation of human B cells into IgM, IgG, IgA, or IgE plasma cells: high rate of antibody production by IgE plasma cells, but limited clonal expansion of IgE precursors. Cell Immunol. 1993 Dec;152(2):323-32.
*Gould HJ, Beavil RL, Vercelli D: IgE isotype determination: epsilon-germline gene transcription, DNA recombination and B-cell differentiation. Br Med Bull. 2000;56(4):908-24.
*1053;1057;
1040;1083;1103;1093;1085;1086;1074;1080;1095;,
1042;1042; 1071;1085;1095;1077;1085;1082;1086;,
1045;1043; 1040;1089;1080;1088;1103;1085;,
1042;1055;
1052;1072;1088;1090;1080;1085;1086;1074;1080;1095;,
1042;1055;
1043;1086;1083;1091;1073;1086;1074;1080;1095;:
1042;1099;1103;1074;1083;1077;1085;1080;1077;
IgE-1087;1086;1079;1080;1090;1080;1074;1085;1099;1093;
1083;1077;1081;1082;1086;1094;1080;1090;1086;1074;
1082;1088;1086;1074;1080;
1089;1080;1085;1090;1077;1090;1080;1095;1077;1089;1082;#
1087;1077;1087;1090;1080;1076;1086;1084; 1080;
1084;1086;1085;1086;1082;1083;1086;1085;1072;1083;1100;#
1072;1085;1090;1080;1090;1077;1083;1072;1084;1080;.
Immunopathology, allergology, infectology 2016, no.2, pages 28-34

Unless indicated otherwise, all products are For Research Use Only and not for diagnostic or therapeutic use. Not for resale or transfer either as a stand-alone product or as a component of another product without written consent of EXBIO. EXBIO will not be held responsible for patent infringement or other violations that may occur with the use of our products. All orders are accepted subject to EXBIO's term and conditions which are available at www.exbio.cz.

For laboratory research only, not for drug, diagnostic or other use.