

## Fc epsilon R1 alpha antibody [CRA1] (Biotin)

Cat. No. GTX00849

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Applications</b>	WB, IHC-P, IHC-Fr, FCM, ELISA, Functional Assay
<b>Reactivity</b>	Human, House musk shrew

Package  
50 µg

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	~1 µg /ml
IHC-P	~1 µg /ml
IHC-Fr	Assay dependent
FCM	1-5 µg /ml
ELISA	Assay dependent
Functional Assay	Assay dependent

**Note : Titration of IgE-bound fraction of the Fc epsilon R1 alpha using clone CRA1 and CRA2 antibodies.**

Not tested in other applications.

**Calculated MW** 30 kDa. ( [Note](#) )

## Product Note

The CRA1 (AER37) monoclonal antibody reacts with the Fc epsilon R1 alpha subunit on a region that does not overlap the region of the IgE binding site, thus it does not compete with IgE for the receptor binding. Since the CRA2 (AER24) monoclonal antibody reacts with the IgE binding site on Fc epsilon R1 alpha, it competes with IgE for the receptor binding. Combining the two antibodies, one can quantitatively measure the amounts of the IgE-bound Fc epsilon R1 alpha.

## Properties

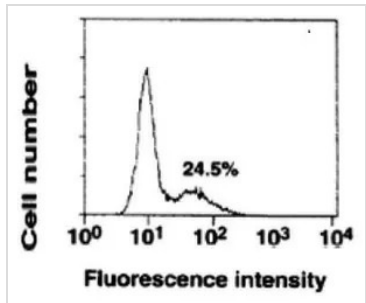
<b>Form</b>	Liquid
<b>Buffer</b>	Filter-sterilized PBS, 50% Glycerol
<b>Preservative</b>	No preservatives
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	1.6 mg/ml (Please refer to the vial label for the specific concentration.)



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<b>Immunogen</b>	Recombinant extracellular protein of human Fc epsilonR1alpha; (corresponding to amino acids Met-26-197, where signal peptide is 1-25) Epitope: 26-110 amino acids
<b>Purification</b>	Purified IgG From culture supernatant
<b>Conjugation</b>	Biotin [Biotin]/[IgG] = 8.9; Lot dependent
<b>Note</b>	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.  Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



**GTX00849 FCM Image**

FACS analysis of U266 cells (pre-incubated with recombinant soluble Fc epsilon R1 alpha protein) using GTX00849 Fc epsilon R1 alpha antibody [CRA1] (Biotin).



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