# Anti-Human FceR1 (CRA1)



ΡF







FCERIPE-100T

100 test



### PRODUCT DESCRIPTION

- Clone: AER-37;
- Isotype: IqG2b, kappa:
- Tested application: flow cytometry;
- Immunogen: Recombinant Extracellular Domain of FcεRlα;
- Species reactivity: Human (tested in development);
- Storage instruction: store in the dark at 2-8 °C;
- Storage buffer: aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN.):
- Recommended usage: Immunostep's anti-human FceRI (CRA-I) clone AER-37, is a monoclonal antibody intended for the identification of FcεRlα, a 50kD transmembrane protein with Ig superfamily structure found on mast cells and basophils, which is also known as the high affinity immunoglobulin epsilon receptor subunit alpha, using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using I test for 106 cells;
- Presentation: liquid;
- Source: Supernatant proceeding from an in vitro cell culture of a cell hybridoma;
- Purification: Affinity chromatography;
- Other names: FCEIA; FCERIA; Fc-epsilon RI-alpha; FcERI; FceRIa; FceRI;
- Gene ID: 2205;
- Molecular weight: 50 kDa.

#### 2. ANTIGEN DETAILS

**Large description:** Fc $\epsilon$ RI is a tetrameric receptor complex composed of one  $\alpha$ -subunit (Fc $\epsilon$ RI $\alpha$ ), one β-subunit, and two y-subunits. FcεRlα directly binds IgE with high affinity, while the β- and y-chains are responsible for mediating intracellular signals.(1-2)

### WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties.

Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

## ADDITIONAL INFORMATION

For research use only. Not for diagnostic use.

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Unless otherwise indicated by Immunostep by written authorization, this product is intended for research only and is not to be used for any other purpose, including without limitation, for human or animal diagnostic, therapeutic or commercial purposes.

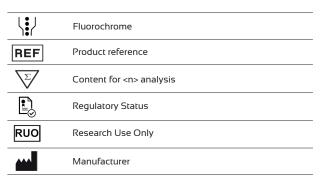
Please, refer to www.immunostep.com technical support for more information.

### REFERENCES

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- Nechansky A, Robertson MW, Albrecht BA, Apqar JR, Kricek F. Inhibition of antigeninduced mediator release from IgE-sensitized cells by a monoclonal anti-Fc epsilon RI alpha-chain receptor antibody: implications for the involvement of the membraneproximal alpha-chain region in Fc epsilon RI-mediated cell activation. J Immunol. 2001 May 15;166(10):5979-90. doi: 10.4049/jimmunol.166.10.5979. PMID: 11342613.

#### 6. **EXPLANATION OF SYMBOLS**



7. MANUFACTURED BY:

IMMUNOSTEP S.L.

Address: Avda. Universidad de Coimbra, s/n Cancer Research Center (C.I.C)

Campus de Unamuno 37007 Salamanca (Spain)

immunostep

Telf./fax: (+34) 923 294 827 info@immunostep.com

www.immunostep.com