

Anti-Human FcεRI (CRA1)



PE



FCERIPE-100T



100 test



RUO

1. PRODUCT DESCRIPTION

- **Clone:** AER-37;
- **Isotype:** IgG2b, kappa;
- **Tested application:** flow cytometry;
- **Immunogen:** Recombinant Extracellular Domain of FcεRIα;
- **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 (NaN₃);
- **Recommended usage:** Immunostep's anti-human FcεRI (CRA-1) clone AER-37, is a monoclonal antibody intended for the identification of FcεRIα, 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 1 test for 10⁶ cells;
- **Presentation:** liquid;
- **Source:** Supernatant proceeding from an in vitro cell culture of a cell hybridoma;
- **Purification:** Affinity chromatography;
- **Other names:** FCE1A; FCER1A; Fc-epsilon RI-alpha; FcERI; FceR1a; FceRI;
- **Gene ID:** 2205;
- **Molecular weight:** 50 kDa.

2. ANTIGEN DETAILS

Large description: FcεRI is a tetrameric receptor complex composed of one α-subunit (FcεRIα), one β-subunit, and two γ-subunits. FcεRIα directly binds IgE with high affinity, while the β- and γ-chains are responsible for mediating intracellular signals.⁽¹⁻²⁾

3. 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.

4. ADDITIONAL INFORMATION

For research use only. Not for diagnostic use.

Not for resale. Immunostep will not be responsible of violations that may occur with the use of this product. Any use of this product other than the specified in this document is strictly prohibited.

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.

5. REFERENCES

1. Takai T, Yuuki T, Iwamoto-Yasue N, Okumura K, Ra C. Epitope analysis and primary structures of variable regions of anti-human FcεRI monoclonal antibodies, and expression of the chimeric antibodies fused with human constant regions. *Biosci Biotechnol Biochem.* 2000 Sep;64(9):1856-67. doi: 10.1271/bbb.64.1856. PMID: 11055388.
2. Nechansky A, Robertson MW, Albrecht BA, Apgar JR, Kricsek F. Inhibition of antigen-induced mediator release from IgE-sensitized cells by a monoclonal anti-Fc epsilon RI alpha-chain receptor antibody: implications for the involvement of the membrane-proximal 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



Fluorochrome



Product reference



Content for <n> analysis



Regulatory Status



Research Use Only



Manufacturer

7. MANUFACTURED BY: IMMUNOSTEP S.L.



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