

Anti-Estradiol immuno complex [C6] rAb

Catalogue number: 157721

Sub-type: Primary antibody

Images:

Contributor

Inventor: Urpo Lamminmaki

Institute: University of Turku

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Estradiol immuno complex [C6] rAb

Alternate name: Oestradiol, E2

Class: Recombinant

Conjugate: Unconjugated

Description: Recombinant anti-estradiol immunocomplex antibody [C6] binds to anti-Estradiol-17-beta antibody [S16] and oestradiol-17-beta. Detection of circulatory oestradiol (E2) has many uses in various clinical applications. The use of this antibody alongside the anti-Estradiol-17-beta [S16] antibody makes up the basis for an E2 assay which addresses the low circulatory levels of E2 within blood samples (the cause of failure for many similar competitive immunoassays). This recombinant antibody aids in extracting clinical relevant information from circulatory E2 levels, for example during aromatase inhibitor therapy for breast cancer. Please note, if this reagent will be used in a non-competitive immunoassay then you may require a license to the following patent rights which are held by VTT Technical Research Centre of Finland (US7749712B2; EP1579222B1, EP1579222B8, BRPI0316384B1, CN1711476B, JP4729701B2, NO338417B1, ZA200503475B).

Purpose: Marker

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: estradiol immunocomplex

Target alternate names:

Target background: Estradiol is an oestrogen steroid hormone and the major female sex hormone. It is involved in the regulation of the estrous and menstrual female reproductive cycles. With age and in the case of pathologies such as ovarian failure and following surgical removal of the ovaries, levels of estradiol can fall. This results in symptoms such as osteoporosis, vaginal changes, changes to the skin and hot flushes. Recombinant anti-estradiol immunocomplex antibody, clone [C6], binds to the immunocomplex of the anti- Estradiol-17-beta antibody clone [S16] and Estradiol-17-beta. For use in the detection of estradiol in low levels.

Molecular weight: 144535.08 kDa

Ic50:

Applications

Application: ELISA ; IF ; IP

Application notes:

Handling

Format: Liquid

Concentration: 0.9-1.1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -15° C to -25° C

Shipping conditions:

Shipping at 4° C

Related tools

Related tools: Anti-Estradiol-17-beta [S16] recombinant antibody

References

References: Leivo et al. 2019. Anal Bioanal Chem. 411(22):5633-5639. PMID: 31177333. ; Kokko et al. 2007. Anal Chem. 79(15):5935-40. PMID: 17602670.

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