

Product Datasheet

Rat 5-Hydroxytryptamine Receptor 2A (5HTR2A) ELISA Kit (orb1146868)

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|-----------------------|--|
| Catalog Number | orb1146868 |
| Category | Assays and Kits |
| Description | <p>The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to 5-Hydroxytryptamine Receptor 2A(5HTR2A). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to 5-Hydroxytryptamine Receptor 2A(5HTR2A). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain 5-Hydroxytryptamine Receptor 2A(5HTR2A), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm \pm 10nm. The concentration of 5-Hydroxytryptamine Receptor 2A(5HTR2A) in the samples is then determined by comparing the OD of the samples to the standard curve.</p> |
| Reactivity | Rat |
| Concentration | 10 ng/mL |
| UniProt ID | P14842 |

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Application notes

standard: 10 ng/mL. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat 5HTR2A. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat 5HTR2A. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Rat 5HTR2A, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm \pm 10nm. The concentration of Rat 5HTR2A in the samples is then determined by comparing the OD of the samples to the standard curve

Assay Type

Sandwich

Assay Time

3.5h

Range

0.16-10 ng/mL

Sensitivity

0.064 ng/mL

Sample Types

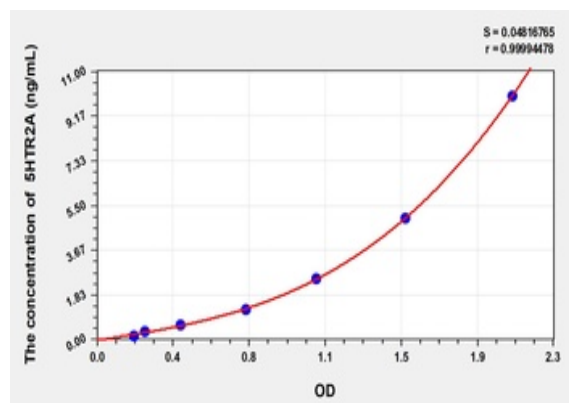
tissue homogenates, cell lysates and other biological fluids

Note

For research use only

Expiration Date

Please enquire.

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7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

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68 TW Alexander Drive
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NC 27713
United States

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