

Product Datasheet

Human Soluble Receptor Activator of Nuclear Factor Kappa B Ligand (sRANKL) ELISA Kit (orb1146809)

Catalog Number orb1146809

Category Assays and Kits

Description 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 Soluble Receptor Activator Of Nuclear Factor Kappa B Ligand(sRANKL). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Soluble Receptor Activator Of Nuclear Factor Kappa B Ligand(sRANKL). 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 Soluble Receptor Activator Of Nuclear Factor Kappa B Ligand(sRANKL), 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 Soluble Receptor Activator Of Nuclear Factor Kappa B Ligand(sRANKL) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Human

Concentration 1000 pg/mL

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: 1000 pg/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 Human sRANKL. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human sRANKL. 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 Human sRANKL, 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 Human sRANKL 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

15.63-1000 pg/mL

Sensitivity

6.3 pg/mL

Sample Types

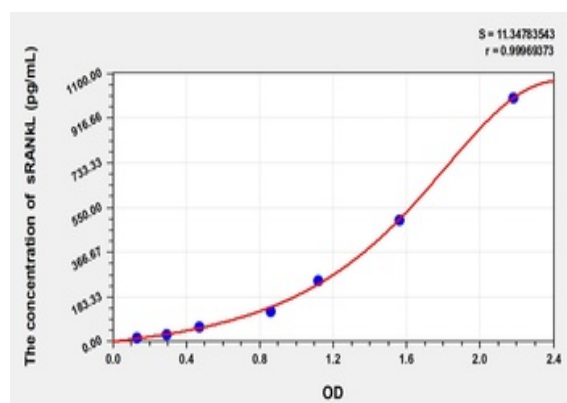
serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Note

For research use only

Expiration Date

Please enquire.

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7 Signet Court, Swann Road
Cambridge
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