

Product Datasheet

Rabbit Lysosomal Associated Membrane Protein 2 (LAMP2) ELISA Kit (orb1173550)

Catalog Number orb1173550

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 Lysosomal Associated Membrane Protein 2(LAMP2). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Lysosomal Associated Membrane Protein 2(LAMP2). 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 Lysosomal Associated Membrane Protein 2(LAMP2), 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 Lysosomal Associated Membrane Protein 2(LAMP2) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Rabbit

Concentration 4000 pg/mL

Tested applications ELISA

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: 4000 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 Rabbit LAMP2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rabbit LAMP2. 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 Rabbit LAMP2, 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 ± 10nm. The concentration of Rabbit LAMP2 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

62.5-4000 pg/mL

Sensitivity

23.7 pg/mL

Sample Types

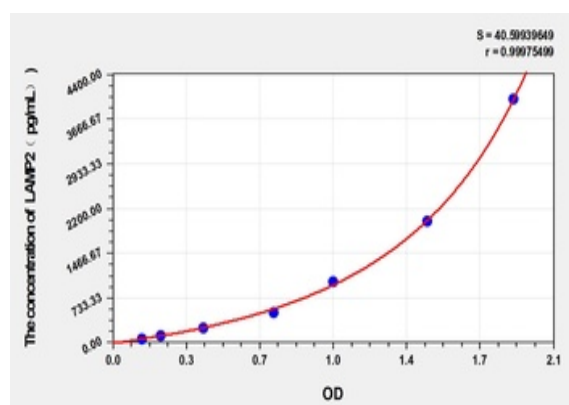
Serum, plasma and other biological fluids

Note

For research use only

Expiration Date

Please enquire.



Standard curve for orb1173550 ELISA kit.

Biorbyt Ltd.

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

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