

Rat Cluster Of Differentiation 19 (CD19) ELISA Kit | CD19 elisa kit

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CATALOG #
AAA63340

REACTIVITY
Rat

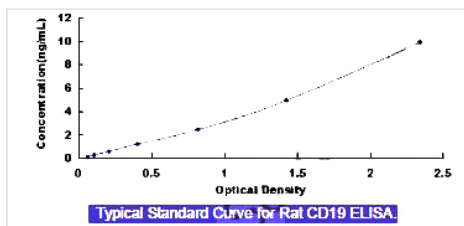
PRODUCT SYNONYMS

Cluster Of Differentiation 19 (CD19); Rat Cluster Of Differentiation 19 (CD19) ELISA Kit; B4; B-lymphocyte surface antigen B4; T-cell surface antigen Leu-12; CD19 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CD19. No significant cross-reactivity or interference between CD19 and analogues was observed.
Sequence Length	547
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CD19 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CD19 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD19 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CD19 in rat Tissue homogenates, cell lysates and other biological fluids Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CD19. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CD19. 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 CD19, 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 CD19 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	201021269
NCBI GeneID	365367
NCBI Accession #	NP_001013255.2
NCBI GenBank Nucleotide #	NM_001013237.3
UniProt Accession #	F1LNH2
Molecular Weight	60,259 Da
NCBI Official Full Name	B-lymphocyte antigen CD19
NCBI Official Synonym Full Names	CD19 molecule
NCBI Official Symbol	Cd19
NCBI Protein Information	B-lymphocyte antigen CD19
UniProt Protein Name	Protein Cd19
UniProt Gene Name	Cd19

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.