

DATA SHEET

Product Name: Calmodulin (CALM1) (Human) ELISA Kit

Catalog #: C-1014

Size: 1 kit -100 Assays

Components: Micro ELISA Plate | 8 x 12 strips
Lyophilized standard | 2 vials
Sample / Standard dilution buffer | 20 ml
Biotin- detection antibody (concentrated) | 120 µl
Antibody dilution buffer | 10 ml
HRP-Streptavidin Conjugate (SABC) (Avoid light) | 120 µl
SABC dilution buffer | 10ml
TMB substrate (Avoid light) | 10 ml
Stop Solution | 10 ml
Wash buffer (25X) | 30 ml
Plate sealers | 5

Supplied As: Human serum, plasma, tissue homogenates and other biological fluids

Storage: The entire kit may be stored at 4°C for up to 6 months from the date of shipment

Description: Calmodulin mediates the control of a large number of enzymes, ion channels, aquaporins and other proteins through calcium-binding. Among the enzymes to be stimulated by the calmodulin-calcium complex are a number of protein kinases and phosphatases. Together with CCP110 and centrin, is involved in a genetic pathway that regulates the centrosome cycle and progression through cytokinesis. This Calmodulin ELISA kit is a sandwich ELISA assay for the quantitative measurement of human Calmodulin in serum, plasma and cell culture supernatants. The density of color is proportional to the amount of human Calmodulin captured from the samples.

Application: This ELISA kit is used for in vitro quantitative determination of Human Calmodulin. Detection Range: 93.75-6000 pg/ml Sensitivity: < 56.25 pg/ml Assay Precision: Intra-Assay: CV < 8%; Inter-Assay: CV < 10% (CV (%) = SD/mean X 100)

For research use only. Not for use in humans.