

## Product Datasheet

# General S-Adenosyl Methionine (SAM) ELISA Kit (orb781945)

<b>Catalog Number</b>	orb781945
<b>Category</b>	Assays and Kits
<b>Description</b>	This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with S-Adenosyl Methionine(SAM) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to S-Adenosyl Methionine(SAM).
<b>Reactivity</b>	All
<b>Concentration</b>	1000 ng/mL
<b>Tested applications</b>	ELISA
<b>Application notes</b>	standard: 1000 ng/mL. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with SAM protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to SAM. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. 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 SAM in the samples is then determined by comparing the OD of the samples to the standard curve
<b>Assay Type</b>	Competitive
<b>Assay Time</b>	2h
<b>Range</b>	15.63-1000 ng/mL

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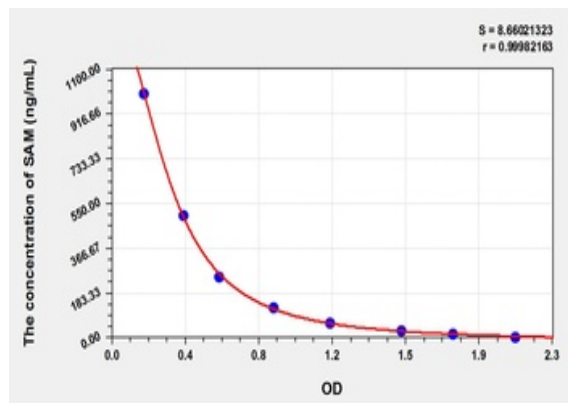
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<b>Sensitivity</b>	4.71 ng/mL
<b>Sample Types</b>	serum, plasma, cell lysates, cell culture supernates and other biological fluids
<b>Note</b>	For research use only
<b>Expiration Date</b>	Please enquire.

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