

## Product Datasheet

# Human Myeloperoxidase (MPO) EasyStep ELISA Kit (orb1950182)

<b>Description</b>	<p>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 MPO, and the Human MPO standard plate wells that pre-coated using protein-related techniques are provided separately. Standard/Sample Diluent Buffer or samples are added to the appropriate microtiter plate wells ,then added a HRP-conjugated antibody specific to Human MPO. After TMB substrate solution is added, only those wells that contain Human MPO and HRP-conjugated antibody 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 <math>\pm</math> 10nm. The concentration of Human MPO in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
<b>Reactivity</b>	Human
<b>Range</b>	0.63-40 ng/mL
<b>Concentration</b>	40 ng/mL
<b>Note</b>	For research use only
<b>Application notes</b>	<p>standard: 40 ng/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 MPO, and the Human MPO standard plate wells that pre-coated using protein-related techniques are provided separately. Standard/Sample Diluent Buffer or samples are added to the appropriate microtiter plate wells ,then added a HRP-conjugated antibody specific to Human MPO. After TMB substrate solution is added, only those wells that contain Human MPO and HRP-conjugated antibody 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 <math>\pm</math> 10nm. The concentration of Human MPO in the samples is then determined by comparing the OD of the samples to the standard curve</p>
<b>Sample Types</b>	Serum, plasma

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<b>Assay Time</b>	1.5h
<b>Uniprot ID</b>	<b>P05164</b>
<b>Sensitivity</b>	184 pg/mL
<b>Expiration Date</b>	Please enquire.

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