

## Product Datasheet

# Cattle Elastase 2, Neutrophil (ELA2) ELISA Kit (orb1736501)

<b>Description</b>	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 Cattle ELA2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle ELA2. 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 Cattle ELA2, 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 $450\text{nm} \pm 10\text{nm}$ . The concentration of Cattle ELA2 in the samples is then determined by comparing the OD of the samples to the standard curve.
<b>Reactivity</b>	Bovine
<b>Range</b>	6.25-400 ng/mL
<b>Concentration</b>	400 ng/mL
<b>Note</b>	For research use only
<b>Application notes</b>	standard: 400 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 Cattle ELA2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle ELA2. 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 Cattle ELA2, 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 $450\text{nm} \pm 10\text{nm}$ . The concentration of Cattle ELA2 in the samples is then determined by comparing the OD of the samples to the standard curve
<b>Sample Types</b>	serum, plasma and other biological fluids

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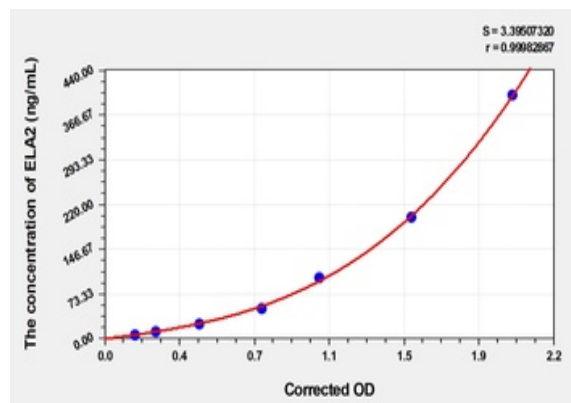
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**Sensitivity** 2.42 ng/mL

**Expiration Date** Please enquire.

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