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# VMA (Vanillylmandelic Acid) ELISA Kit

**Cat #:** G-EC-00057

**Species:** Universal

**Sensitivity:** 0.94ng/mL

**Type:** Competitive

**Range:** 1.56~100ng/mL

**Detection:** Colormetric

**Duration:** 2.5h

**Principle:**
This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with VMA. During the reaction, VMA in samples or Standard competes with a fixed amount of VMA on the solid phase supporter for sites on the Biotinylated Detection Ab specific to VMA. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The concentration of VMA in the samples is then determined by comparing the OD of the samples to the standard curve.

**Specificity:**
This kit recognizes VMA in samples. No significant cross-reactivity or interference between VMA and analogues was observed.

**UniProt ID:**

**Gene:** VMA

**Synonyms:**

**Specimen:** Serum, plasma and other biological fluids

**Application:** This ELISA kit applies to the in vitro quantitative determination of VMA concentrations in Serum, plasma and other biological fluids.

**Research Areas:** Cancer, Metabolism

**Storage:**
An unopened kit can be stored at 2-8°C for 1 month. If the kit is not supposed to be used within 1 month, store the items separately according to the storage table in the manual once the kit is received.