Datasheet for ABIN5068087

Histamine ELISA Kit

Go to Product page

Overview

Quantity:	1 kit
Target:	Histamine (HIS)
Reactivity:	Chemical
Method Type:	Competition ELISA
Application:	ELISA

Product Details

Purpose:	This kit is designed for in vitro quantification of histamine in various biological fluids by competitive direct enzyme-linked immunosorbent assay (CD-ELISA). This kit is intended for use in investigative biomedical research only. It is not for human clinical diagnostic use. This Histamine ELISA Kit should not be used for determining histamine levels in scombroid fish.
Sample Type:	Cell Culture Lysate, Cell Samples, Cell-free Extracts, Tissue Culture Medium
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	2.5 ng/mL
Characteristics:	Histamine (HIS) ELISA Kit
Components:	• Wash Buffer (25X), 1x30ml • TMB Substrate, 1x20ml • PBS Sample Diluent, 1x1Liter • Histamine Enzyme (HRP), 1x6ml • Standard (0ng/ml), 1x500ul • Standard (2.5ng/ml), 1x500ul

Product Details

- Standard (5ng/ml), 1x500ul
- Standard (10ng/ml), 1x500ul
- Standard (20ng/ml), 1x500ul
- Standard (50ng/ml), 1x500ul
- Microtiter Plate, 1x96 wells

Target Details

Target:	Histamine (HIS)
Abstract:	HIS Products
Target Type:	Chemical

Application Details

Protocol:	Principle of the Assay: • This Histamine ELISA Kit is a competitive direct ELISA in a microwell format that allows users to obtain exact concentrations of histamine in nanograms per milliliter. The microwells in this assay kit are pre-coated with a monoclonal antibody to histamine. The sample or standard solution is first added to the antibody coated microplate. Next, the enzyme conjugate is added and the mixture is shaken and incubated at RT for 45 minutes. During the incubation, unbound (free) histamine in the samples or standards is allowed to compete with enzyme HRP-labeled histamine (conjugate) for antibody binding sites. The plate is then washed, removing all the unbound material. The bound enzyme conjugate is detected by the addition of a one-component substrate which generates color by horseradish peroxidase. An optimal color is generated after 30 minutes. A microplate reader is then used to take an absorbance reading at 650nm.
Assay Precision:	Precision: ≤10% ,Precision: ≤10%
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Storage Comment:	4°C