Datasheet for ABIN2648672

Histamine ELISA Kit

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Overview

Quantity:	96 tests
Target:	Histamine (HIS)
Reactivity:	Human
Application:	ELISA

Product Details

Sample Type:	Plasma, Urine, Cell Culture Cells
Detection Method:	Colorimetric
Sensitivity:	0.02 ng/mL
Characteristics:	Histamine plays a major role in the initial phase of an anaphylactic reaction. The quantification of histamine in plasma after allergen administration is of clinical interest. Histamine is part of the immune response to foreign pathogens and it increases the permeability of the capillaries to white blood cells and other proteins in order to allow them to engage foreign invaders in the affected tissues. Responsible for the biological effects of histamine in tissue are the activation of different surface receptors, for instance H1, H2 and H3. Histamine is involved in the regulating physiological function in the gut and acting as a neurotransmitter.

Target Details

Target:	Histamine (HIS)
Alternative Name:	Histamine (HIS Products)
Target Type:	Chemical

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Sample Volume:	50 µL
Assay Time:	2.5 h
Plate:	Pre-coated
Protocol:	The competitive Histamine ELISA kit uses the microtiter plate format. Histamine is bound to the solid phase of the microtiter plate. Acylated histamine and solid phase bound histamine compete for a fixed number of antiserum binding sites. When the system is in equilibrium, free antigen and free antigen-antiserum complexes are removed by washing. The antibody bound to the solid phase histamine is detected by anti-rabbit/peroxidase. The substrate TMB / peroxidase reaction is monitored at 450 nm. The amount of antibody bound to the solid phase histamine is inversely proportional to the histamine concentration of the sample.
Restrictions:	For Research Use only

Handling

Storage:	4 °C