

Chicken High mobility group protein B2 (HMGB2) ELISA Kit



Catalog No: #EK11570

Orders: order@signalwayantibody.com

Package Size: #EK11570-1 48T #EK11570-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Chicken High mobility group protein B2 (HMGB2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Chicken (Gallus)
Other Names	HMG2; high-mobility group (nonhistone chromosomal) protein 2
Accession No.	P26584
Uniprot	P26584
GeneID	396482;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.112 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate HMGB2 in samples. An antibody specific for HMGB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyHMGB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HMGB2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of HMGB2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**High mobility group protein B2 is a member of the non-histone chromosomal high mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles. These studies suggest a role in facilitating cooperative interactions between cis-acting proteins by promoting DNA flexibility.

This protein was also reported to be involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination.

Note: This product is for in vitro research use only