

Chicken Bone Gamma-carboxyglutamic-acid-containing Proteins ELISA Kit | BGP elisa kit

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CATALOG # AAA89351	REACTIVITY Chicken
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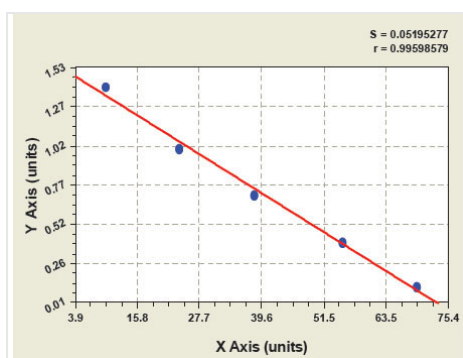
PRODUCT SYNONYMS

Bone Gamma-carboxyglutamic-acid-containing Proteins; Chicken Bone Gamma-carboxyglutamic-acid-containing Proteins ELISA Kit; BGP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This BGP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken BGP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BGP elisa kit	Principle of the assay: BGP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BGP antibody and an BGP-HRP conjugate. The assay sample and buffer are incubated together with BGP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the BGP concentration since BGP from samples and BGP-HRP conjugate compete for the anti-BGP antibody binding site. Since the number of sites is limited, as more sites are occupied by BGP from the sample, fewer sites are left to bind BGP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BGP concentration in each sample is interpolated from this standard curve.
Product Categories/Family for BGP elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	553203
NCBI GeneID	634
Molecular Weight	39,871 Da
NCBI Official Full Name	BGP, partial
NCBI Official Synonym Full Names	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)
NCBI Official Symbol	CEACAM1
NCBI Official Synonym Symbols	BGP; BGP1; BGPI
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 1; antigen CD66; CD66a antigen
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 1
UniProt Gene Name	CEACAM1
UniProt Synonym Gene Names	BGP; BGP1; BGP-1
UniProt Entry Name	CEAM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/bgp-chicken-elisa-kits/bone-gamma-carboxyglutamic-acid-containing-proteins/89351>