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Certificate of Analysis and Data Sheet

Chicken anti- Bone Morphogenetic Protein 7 (BMP7) antibody

Catalog No:
130-00009

Isotype:
Chicken Ig Y

Species:
Human

Accession No:
NM_001719

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	#			0.1-1.0 µg/ml
Western Blotting			#	
Enzyme Immunoassay(EIA)			#	
Immunohistology - paraffin			#	
Immunohistology - resin			#	
Immunoprecipitation			#	
Flow Cytometry			#	
Neutralization			#	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application

Preparation

Immunogen was synthetic peptide derived from Human BMP7. This antibody was produced from a chicken immunized with the immunogen. The IgY fraction was purified from collected egg followed by in-house affinity chromatography.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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The binding activity

The antibody can specifically bind to its immunogen, and did not show any cross reactivity with unrelated antigens as did in ELISA. The specificity for binding to recombinant protein, cellular protein and native antigen is not defined. Cross reactivity with mouse and rat BMP7 was not tested yet.

Reconstitution

Supplied as lyophilized and purified antibody originally containing PBS, without **Preservative Stabilizers**, liking Sodium Azide. **It final concentration is indicated in shipping vial.**

The antibody is stable for at least years from the data of receipt when stored at -20°C to -70°C . Reconstituted antibody (suggesting with sterile PBS) can also be aliquotted and stored frozen at -20°C to -70°C in a manual defrost freezer for months without detectable loss activity. Upon reconstitution, the antibody can be stored at 4°C for 1 month. **Please avoid freeze-thaw cycles.**

Storage

Store at -20°C , if not intended for use within a month, keep it at 4°C and minimize freezing and thawing when use.

Related products

Human BMP-7 ELISA Kit, Cat#ELH-BMP7-001

Reference

Hahn GV, Cohen RB, Wozney JM, Levitz CL, Shore EM, Zasloff MA, Kaplan FS (November 1992). "A bone morphogenetic protein subfamily: chromosomal localization of human genes for BMP5, BMP6, and BMP7". *Genomics* **14** (3): 759–62. Nishitoh H, Ichijo H, Kimura M, *et al.* (1996). "Identification of type I and type II serine/threonine kinase receptors for growth/differentiation factor-5.". *J. Biol. Chem.* **271** (35): 21345–52.

Gould SE, Day M, Jones SS, Dorai H (January 2002). "BMP-7 regulates chemokine, cytokine, and hemodynamic gene expression in proximal tubule cells". *Kidney Int.* **61** (1): 51–60.

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