



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

RABBIT ANTI HUMAN BMP-12

With HRP-conjugated secondary antibody

Catalog No.
DS-MB-00282

Species:
Human

Isotype:
Rabbit IgG

Description

This gene encodes a member of the bone morphogenetic protein (BMP) family. BMPs belong to the transforming growth factor-beta superfamily of secreted signalling molecules that regulate diverse processes in growth, repair and embryonic development. In mouse, this gene functions as an inductive signal from the roof plate required for the specification of neuronal identity in the dorsal spinal cord.

Applications

Table Summary of antibody applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			*
Western Blotting				
Immunohistology - frozen				
Immunohistology - paraffin				
Immunohistology - resin				
Immunoprecipitation				
Flow Cytometry				
Immunofluorescence staining				
Neutralization				

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

*In a competitive ELISA with 1 µg/well peptide-BSA coated, peptide displaces well in the range 0.1-500 µg/ml (5-5,000 ng/well)

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



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Preparation

Immunogen was Synthetic peptide corresponding to the amino acids 59 - 68 of the native molecule conjugated to Keyhole limpet Haemocyanin. The IgG fraction was purified by Protein A affinity chromatography.

Specificity

BMP12 (59-68) 100% BMP5 (1-12) <0.1% BMP7 (1-14) <0.1% BMP9 (87-98) <0.1% BMP13 (1-14) <0.1%. **Peptide Sequence:** M-A-P-D-A-A-P-A-S-C

Reconstitution

Supplied as 1ml of purified antibody, and is reconstituted with f PBS buffer, pH 7.2, 0.1% Sodium Azide. Its final concentration is 4.0 mg/ml. **Please avoid freeze-thaw cycles.**

Secondary Antibody Applications

Options	YES	NO	Not determined	Recommended Work dilution or concentration
Functions				
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

Storage

Store at -20⁰C only. Shipped at 4⁰C and minimize freezing and thawing when use.

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