



Anti-human BMP-8 Antibody

ORDERING INFORMATION

Catalog Number: AF1073

Lot Number: GEL01

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human BMP-8

Immunogen: *E. coli*-derived rhBMP-8

Ig Type: goat IgG

Applications: Direct ELISA
Western blot
Immunohistochemistry

Preparation

Produced in goats immunized with purified, *E. coli*-derived, recombinant human bone morphogenetic protein 8 (rhBMP-8) monomer. Human BMP-8 specific IgG was purified by human BMP-8 affinity chromatography.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS).

Endotoxin Level

< 0.1 EU per 1 µg of the antibody as determined by the LAL method.

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 mg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for its ability to recognize human BMP-8 in the applications listed below. In direct ELISAs and western blots, this antibody shows less than 1% cross-reactivity with rhBMP-2, rhBMP-3, rhBMP-4, rhBMP-5, rhBMP-6 and rhBMP-7.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human BMP-8. The detection limit for rhBMP-8 is approximately 1 ng/well.

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human BMP-8. The detection limit for rhBMP-8 is approximately 5 ng/lane under reducing conditions.

Immunohistochemistry - This antibody will detect BMP-8 in cells and tissues. The working dilution is 5 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

Optimal dilutions should be determined by each laboratory for each application.