Biotinylated Anti-human PD-ECGF Antibody

**Preparation**
Produced in goats immunized with purified, insect cell line Sf21-derived, recombinant human platelet-derived endothelial cell growth factor (rhPD-ECGF). Human PD-ECGF specific IgG was purified by human PD-ECGF affinity chromatography and then biotinylated.

**Formulation**
Lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS) containing 50 μg of bovine serum albumin (BSA) per 1 μg of antibody.

**Reconstitution**
Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 μg/mL.

**Specificity**
This antibody has been selected for use as a detection antibody in the applications listed below.

**Applications**
- **Western Blot** - This antibody can be used at 0.1 - 0.2 μg/mL with the appropriate secondary reagents to detect human PD-ECGF. The detection limit for rhPD-ECGF is approximately 5 ng/lane under non-reducing and reducing conditions.
- **Immunohistochemistry** - This antibody will detect PD-ECGF in cells and tissues. The working dilution is 2 - 15 μg/mL. For chromogenic detection of labeling, use R&D Systems’ Cell and Tissues Staining Kits (CTS Series). Optimal dilutions should be determined by each laboratory for each application.

**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.