Biotinylated Anti-human Serpin E2 Antibody

ORDERING INFORMATION

Catalog Number: BAF2980

Lot Number: YDU01

Size: 50 μg

Formulation: 0.2 μm filtered solution in PBS with BSA

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: human Serpin E2

Immunogen: NS0-derived rhSerpin E2 (aa 20 - 397)

Ig Type: goat IgG

Application: Western blot

Preparation
Produced in goats immunized with purified, NS0-derived, recombinant human Serpin E2 (rhSerpin E2; aa 20 - 397; R&D Systems' Catalog # 2980-PI). Human Serpin E2 specific IgG was purified by human Serpin E2 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.

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 use as a detection antibody in human Serpin E2 western blots.

Application
Western Blot - This antibody can be used at 0.1 - 0.2 μg/mL with the appropriate secondary reagents to detect human Serpin E2. The detection limit for rhSerpin E2 is approximately 25 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 50% cross-reactivity with rmSerpin E2 and less than 1% cross-reactivity with rhSerpin E1, rhSerpin I1, rhSerpin I2, and rhSerpin B6.

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

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