



Anti-human Mindin Antibody

ORDERING INFORMATION

Catalog Number: AF2609

Lot Number: VCB01

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS
with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human Mindin

Immunogen: NS0-derived rhMindin

Ig Type: goat IgG

Applications: Western blot
Direct ELISA

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human Mindin (rhMindin). Human Mindin specific IgG was purified by human Mindin affinity chromatography. Mindin, also known as Spondin-2 and DIL-1 (Differentially expressed in cancerous and non-cancerous lung cells 1) belongs to the F-spondin family of secreted extracellular matrix proteins. Family members are characterized by two N-terminal F-spondin domains (FS1 and FS2), and a third C-terminal thrombospondin type I repeat (TSP-1). Secreted Mindin exists as a disulfide-linked dimer that also forms higher order oligomers. It functions as a pattern recognition receptor for microbes and an adhesion molecule for neurons. Mindin is secreted by neurons, macrophages and fibroblasts in a variety of tissues. Human Mindin shares 88% amino acid sequence homology with mouse and rat proteins.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Reconstitution

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 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 Mindin in direct ELISAs and western blots.

Applications

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Mindin. The detection limit for rhMindin is approximately 2 ng/lane under non-reducing and reducing conditions.

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Mindin. The detection limit for rhMindin is approximately 0.2 ng/well.

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