

Mouse Sulfadiazine Monoclonal Antibody

Sulfadiazine (Mouse monoclonal)

CATALOG # AAA59118	HOST Mouse	APPLICATIONS ELISA
------------------------------	----------------------	------------------------------

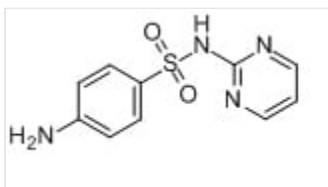
PRODUCT SYNONYMS

Sulfadiazine; Monoclonal Antibody; Sulfadiazine (Mouse monoclonal); Anti-Sulfadiazine antibody; anti-Sulfadiazine antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Purity/Purification	Purity: >95% by HPLC & SDS-PAGE Purification: Protein A or G purified
Form/Format	Liquid; Supplied in 0.01 M PBS (pH7.4)
Concentration	4.7 mg/ml (varies by lot)
Applicable Applications for anti-Sulfadiazine antibody	ELISA
Sensitivity	4 ppb
IC50 Value	0.5-1.2 ppb
Preparation and Storage	Aliquot and store at -20°C. Avoid repeated freeze and thaw cycles.

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for anti-Sulfadiazine antibody

Sulfadiazine is a sulfonamide antibiotic. It eliminates bacteria that cause infections by stopping the production of folate inside the bacterial cell, and is commonly used to treat urinary tract infections. Antibiotics and heavy metals often coexist in soils due to land application of animal wastes and other sources of inputs. Xu Y et al evaluated the interaction of Cu(II) and sulfadiazine (SDZ) regarding to their sorption and desorption on Brown soil (BS, luvisols) and Red soil (RS, Udic Ferrosols) using batch experiments. The results indicate that soil characteristics strongly influence the interactions of Cu(II) and SDZ on their sorption and desorption on soils. Mavrodinova V et al found that if sulfadiazine (SD) was loaded in solution, part of the zeolite silver ions was released and interacted with SD, forming AgSD. By solid-state SD deposition, the reaction between the drug and the silver was restricted within the limits of inter-atomic interaction, and total but prolonged drug release occurred.

References

1. Xu Y, Yu W, Ma Q, Zhou H. Interactive effects of sulfadiazine and Cu(II) on their sorption and desorption on two soils with different characteristics. Chemosphere. 2015 Nov;138:701-7.
2. Mavrodinova V, Popova M, Yoncheva K, Mihály J, Szegedi Á. Solid-state encapsulation of Ag and sulfadiazine on zeolite Y carrier. J Colloid Interface Sci. 2015 Nov 15;458:32-8.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/sulfadiazine-antibody-elisa/59118>