

Mouse Doxycycline Monoclonal Antibody

Doxycycline (Mouse monoclonal)

CATALOG # AAA13531	HOST Mouse	APPLICATIONS ELISA
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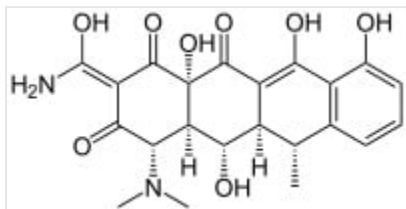
PRODUCT SYNONYMS

Doxycycline; Monoclonal Antibody; Doxycycline (Mouse monoclonal); ALYUS; TAF2E; TAFII70; TAFII80; TAFII85; MGC:8964; TAFII-70; TAFII-80; TAF(II)70; TAF(II)80; anti-Doxycycline antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Clone Number	2D3-L1
Purity/Purification	Purity: >95% by HPLC and SDS-PAGE Purification: Protein A or G supplied in 0.01 M PBS (pH7.4)
Form/Format	Liquid
Concentration	6.5 mg/ml (varies by lot)
Applicable Applications for anti-Doxycycline antibody	ELISA
Application Notes	ELISA (1:100000) Other applications have not been tested. The optimal dilutions should be determined by the end user.
Sensitivity	0.1 ppb
IC50 Value	0.6-1.0 ppb
Preparation and Storage	Aliquot and store at -20°C for 2 years. Avoid repeated freeze and thaw cycles.

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for anti-Doxycycline antibody	Doxycycline is a medication useful for the treatment of a number of types of infections by bacteria and protozoa. It is useful for bacterial pneumonia, acne, chlamydia infections, Clostridium difficile colitis, early Lyme disease, cholera and syphilis. It is also useful for the treatment of malaria when used with quinine and for the prevention of malaria. Doxycycline can be used either by mouth or intravenously. Agbedanu PN et al study revealed that doxycycline was effective at inhibiting the efflux of ivermectin and doramectin (minocycline had no effect). These two avermectins, in combination with doxycycline, should be considered when treating meningeal worms in alpacas. Biofilm formation on dental abutment may lead to peri-implant mucositis and subsequent peri-implantitis. These cases are clinically treated with antibiotics such as doxycycline (Doxy). An abutment surface coated with Doxy has potential for preventing bacterial colonization when exposed to the oral cavity. Doxy-coating could be a viable way to control peri-implant mucositis and prevent its progression into peri-implantitis.
References	1. "Doxycycline calsium". The American Society of Health-System Pharmacists. Retrieved Aug 18, 2015. 2. Agbedanu PN, Anderson KL, Brewer MT, Carlson SA. Doxycycline as an inhibitor of p-glycoprotein in the alpaca for the purpose of maintaining avermectins in the CNS during treatment for parelaphostrongylosis. Vet Parasitol. 2015 Sep 7. 3. Xing R, Witsø IL, Jugowiec D, Tiainen H, Shabestari M, Lyngstadaas SP, Lönn-Stensrud J, Haugen HJ. Antibacterial effect of doxycycline-coated dental abutment surfaces. Biomed Mater. 2015 Sep 11;10(5):055003.

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/doxycycline-antibody-clone-2d3-l1-elisa/13531>