Tetracycline, amide (HRP)

PRODUCT OVERVIEW

Product Name	Tetracycline, amide, Biochemical
Full Product Name	Tetracycline, amide (HRP)
Form/Format	Supplied as a liquid. Labeled with horseradish peroxidase (HRP). Only dilute the concentrate as required and use the working strength conjugate immediately after dilution.
Purity/Purification	Purified Purified
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
Product Categories/Family for Tetracycline, amide biochemical	Biochemicals; Biochem-Drug Analogue Conjugates
Applications Tested/Suitable for Tetracycline, amide biochemical	ELISA (EL/EIA)
Application Notes for Tetracycline, amide biochemical	Suitable for use in ELISA. Dilution: ELISA: 1:20 when used in a competitive ELISA with antibody T2965-02.
Related Product Information for Tetracycline, amide biochemical	Tetracycline is an antibiotic which has the ability to inhibit the growth of wide variety of organisms, including gram-positive and gram-negative bacteria, rickettsias, mycoplasmas, chlamydias, and certain viruses, protozoa, and actinomycetes. It interferes with the production of proteins that the bacteria need to multiply and divide (bacteriostatic). Tetracycline Hydrochloride mode of action is as a protein synthesis inhibitor via an aminoacyl-tRNA binding mechanism to the 30S subunit. Mode of resistance is the loss of cell wall permeability. Tetracyclines are variably absorbed after oral administration and penetrate into most tissues and body fluids, with the highest levels in kidney and liver. All tetracyclines are excreted in urine and faeces, either as the parent molecule or as microbiologically inactive forms. The inactive 4-epimers (33) are thought to be artefacts produced by chemical rather than biological processes and can form spontaneously during sample preparation (32). Tetracyclines are used extensively in veterinary medicine and their use in food producing animals could result in potentially harmful concentrations in tissue, organs and milk. The potential risk is reduced by withdrawal of the drug for a fixed period before slaughter, although residual levels may remain.
Other Notes	Small volumes of Tetracycline, amide biochemical vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Tetracycline, amide purchase	MBS6020913 is a biochemical targeting Tetracycline, amide. Also known as Tetracycline, amide (HRP).

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Online datasheet: https://www.mybiosource.com/biochemical/tetracycline-amide/6020913