



# Chlortetracycline [HRP] (DAG-WT076)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Chlortetracycline conjugated with HRP
<b>Specificity</b>	This product is ELISA-paired with CABT-L2386
<b>Species</b>	N/A
<b>Conjugate</b>	HRP
<b>Format</b>	Liquid
<b>Concentration</b>	Batch dependent - please inquire should you have specific requirements.
<b>Size</b>	1 mg
<b>Buffer</b>	0.01M PBS, pH7.4
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

## BACKGROUND

<b>Introduction</b>	Chlortetracycline is a tetracycline antibiotic, and historically the first member of this class to be identified. Chlortetracycline, like other tetracyclines, competes for the A site of the bacterial ribosome 2. This binding competes with tRNA carrying amino acids preventing the addition of more amino acids to the peptide chain. This inhibition of protein synthesis ultimately inhibits growth and reproduction of the bacterial cell as necessary proteins cannot be synthesized.
<b>Keywords</b>	Clortetraciclina; (4S,4aS,5aS,6S,12aR)-7-chloro-4-(dimethylamino)-1,6,10,11,12a-pentahydroxy-6-methyl-3,12-dioxo-4,4a,5,5a-tetrahydrotetracene-2-carboxamide