



# Sheep anti Desipramine Polyclonal antibody (DPBT-68343SD)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Sheep Anti DesipramineSheep Anti Desipramine
<b>Specificity</b>	DPBT-68343SD recognises Desipramine, a tricyclic antidepressant (TCA). Tricyclic antidepressants contain a characteristic three ringed nucleus structure. They act primarily as serotonin-norepinephrine reuptake inhibitors. Tricyclic antidepressants are mainly used as antidepressants, but have also been for the treatment of anxiety disorders and attention hyperactivity disorder and as an adjunct to certain analgesics to treat chronic pain. In many treatments they have been replaced by other compounds with fewer side-effects. Tricyclic antidepressants are not considered addictive and have a low abuse potential, but suddenly discontinuing treatment may results in discontinuation syndrome and overdose is a main cause of death from prescription drugs. They have significant cardiovascular and neurological toxicity. Monitoring of TCA levels can help determine toxicity, monitor compliance and establish individual target concentrations. Desipramine is an active metabolite of imipramine and has been found to be useful in the treatment of neuropathic pain. It may also be used to treat symptoms of cocaine withdrawal.
<b>Immunogen</b>	Desipramine-BTG
<b>Isotype</b>	IgG
<b>Source/Host</b>	Sheep
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA
<b>Preparation</b>	Purified IgG prepared by caprylic acid and ammonium sulphate precipitation
<b>Format</b>	Purified IgG - liquid

<b>Concentration</b>	IgG concentration 1mg/ml
<b>Size</b>	250 µg
<b>Buffer</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Store at +4 °C or at -20 °C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

## BACKGROUND

<b>Introduction</b>	Desipramine is a drug belonging to the tricyclic antidepressant (TCA) class, whose action is to inhibit the reuptake of norepinephrine. In addition to the treatment of depression, Desipramine has also found use in treating neuropathic pain and the symptoms of Attention Deficit Disorder (which has been linked to the underproduction of norepinephrine).
<b>Keywords</b>	Norpramin (brand name); Pertofrane (brand name); Desipramine; Norpramin; Pertofane; Demethylimipramine; Desimipramine; Desimpramine; Desipramin; Desmethyylimipramine; Dimethyylimipramine; DMI 50475; Methylaminopropyliminodibenzyl; Monodemethylimipramine; Norimipramine; Pentofran; Pertrofane; Sertofran