



# Mouse Anti Diaminodiphenylsulfone/Dapsone monoclonal antibody, clone DDS (CABT-L7871)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Dapsone with carrier protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Clone</b>	DDS
<b>Purification</b>	Affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in ELISA and LFIA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Buffer</b>	PBS
<b>Preservative</b>	0.02% sodium azide
<b>Storage</b>	Store at -20°C.
<b>Ship</b>	Wet ice

## BACKGROUND

**Introduction**

Dapsone is a synthetic derivative of diamino-sulfone with anti-inflammatory and anti-bacterial properties. As a structural analog of p-aminobenzoic acid (PABA), dapsone inhibits dihydropteroate synthase (DHPS), an enzyme important in folate synthesis, resulting in a depletion of the folate pool and a reduction in the amount of thymidylate available for DNA synthesis. Although the exact mechanism through which dapsone exerts its anti-inflammatory activity has yet to be fully elucidated, this agent interferes with the activation and oxidative damage of myeloperoxidase in neutrophils and inhibits the integrin-mediated adherence and chemotaxis of neutrophils. Dapsone's anti-inflammatory activities may contribute to the effects seen upon topical administration.

**Keywords**

Diaminodiphenylsulfone; Dapsone ; DDS