



# Human Anti-S. pneumoniae Type 23F CPS $\alpha$ -L-Rha Monoclonal antibody, clone 44ALM (DMAB-CBXY25223)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Specific for S. pneumoniae Type 23F CPS $\alpha$ -L-Rha
<b>Target</b>	S. pneumoniae Type 23F CPS $\alpha$ -L-Rha
<b>Isotype</b>	IgM
<b>Source/Host</b>	Human
<b>Species Reactivity</b>	S. pneumoniae
<b>Clone</b>	44ALM
<b>Purification</b>	Affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in Control, ELISA. 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>	Liquid
<b>Size</b>	100 $\mu$ g
<b>Buffer</b>	PBS-Tris
<b>Preservative</b>	None

**Storage**

Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles.

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## BACKGROUND

**Introduction**

The  $\alpha$ -L-Rha ( $\alpha$ -L-rhamnose) is a crucial component of the capsular polysaccharides (CPS) in *Streptococcus pneumoniae*. It is involved in the structure and biosynthesis of CPS, which is a key virulence factor for the bacteria. The CPS, including  $\alpha$ -L-Rha, helps the bacteria evade the host immune system by inhibiting phagocytosis and promoting bacterial survival and invasion.

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**Keywords**

*Streptococcus pneumoniae*; *S. pneumoniae*; *S. pneumoniae* CPS;  $\alpha$ -L-Rha;  $\alpha$ -L-rhamnose; PPS

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