

**MOUSE ANTI-DNA POLYMERASE EPSILON  
MONOCLONAL ANTIBODY**

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<b>CATALOG NUMBER:</b>	MAB10214	<b>QUANTITY:</b>	100 $\mu$ L
<b>LOT NUMBER:</b>		<b>CONCENTRATION:</b>	
<b>CLONE NAME:</b>	3C5.1	<b>HOST/ISOTYPE:</b>	IgG1
<b>BACKGROUND:</b>	DNA polymerase epsilon is one of the six known mammalian template directed DNA polymerases. It consist of two subunits (261 kDa and 59 kDa). The big, catalytic subunit belongs to the B-type polymerase family containing polymerase and intrinsic 3'->5' exonuclease activities in its N-terminal part and a putative zinc-finger domain in its C-terminus		
<b>SPECIFICITY:</b>	The antibody reacts with the 220 kD catalytic subunit of DNA polymerase epsilon. It does not recognize DNA polymerases alpha, beta or delta.		
<b>IMMUNOGEN:</b>	Purified DNA polymerase epsilon		
<b>APPLICATIONS:</b>	<i>Optimal working dilutions must be determined by end user.</i>		
<b>PRESENTATION:</b>	Liquid ascites fluid containing no preservatives.		
<b>STORAGE/HANDLING:</b>	Maintain at -20°C for up to 12 months from date of receipt. Aliquot to prevent multiple freeze-thaw cycles.		
<b>REFERENCES:</b>	Chui, G and Linn, S (1995). Further characterization of HeLa DNA polymerase epsilon. <i>J Biol Chem</i> <b>270</b> : 7799-7808.		

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200  $\mu$ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

***For research use only; not for use as a diagnostic.***