

## Monoclonal Antibody to Homocitrate Synthase - Ascites

<b>Alternate names:</b>	LYS20, LYS21
<b>Catalog No.:</b>	AM12111SU-N
<b>Quantity:</b>	0.2 ml
<b>Background:</b>	Homocitrate Synthase is involved in lysine biosynthesis in yeast. The genome of <i>Saccharomyces cerevisiae</i> encodes two homocitrate synthase isozymes, Lys20p and Lys21p, of molecular weights 47.1 and 48.6 kDa, respectively. Both proteins are found within the nucleus of the cell.
<b>Uniprot ID:</b>	<a href="#">P48570</a>
<b>NCBI:</b>	<a href="#">NP_010099</a>
<b>GeneID:</b>	<a href="#">851346</a>
<b>Host / Isotype:</b>	Mouse / IgG
<b>Clone:</b>	31F5
<b>Immunogen:</b>	Mice were immunized with Yeast nuclear protein preparations and hybridomas were screened against Yeast cells (IF) and Yeast protein homogenates (WB).
<b>Format:</b>	<b>State:</b> Liquid Filtered Ascites with 50% Glycerol, Sodium Azide and 1.0 mg/ml BSA.
<b>Applications:</b>	Immunofluorescence (1/500–1/2,500). Immunocytochemistry (1/500–1/2,500). Western Blot (1/500-1/10,000). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	The two proteins are ~90% conserved and this antibody is capable of recognizing both Homocitrate Synthase isozymes Lys20p and Lys21p. <b>Species:</b> Yeast. Other species not tested.
<b>Storage:</b>	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.