



## PRODUCT DATA SHEET

**Product:** Anti-Homocitrate Dehydrogenase, clone 31F5

**Cat. No:** MC-997 (200 µl)

**Background:**

Homocitrate dehydrogenase is involved in lysine biosynthesis in yeast. The genome of *Saccharomyces cerevisiae* encodes two homocitrate dehydrogenase isozymes, Lys20p and Lys21p, of molecular weights 47.1 and 48.6 kDa, respectively. Both proteins are found within the nucleus of the cell. The two proteins are ~90% conserved and this antibody is capable of recognizing both isozymes.

**Species Reactivity:**

Yeast.

**Isotype:**

Unknown.

**Source:**

Mice were immunized with yeast nuclear protein preparations and hybridomas were screened against yeast cells (IF) and yeast protein homogenates (WB).

**Format:**

200 µl filtered ascites with 50% glycerol and sodium azide.

**Storage and Stability:**

Store at -20°C. Avoid repeat freeze/thaws.

**Applications and Suggested Dilutions:**

- Immunocytochemistry: Use at 1:500 – 1:2,500
- Immunofluorescence: Use at 1:500 – 1:2,500
- Western blot: Use at 1:500 – 1:10,000

The optimal dilution for a specific application should be determined by the researcher.

**Limitations:**

For *in vitro* research use only. Not for use in diagnostics or in humans.

**Warranty:**

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.