

PRODUCT DATA SHEET

Product: Anti-Catalase mAb, clone 1A1

Cat. No.: MC-1027 (100 µL)

Description:

Catalase is a homotetrameric heme-containing enzyme present within the matrix of all peroxisomes. It carries out a dismutation reaction in which hydrogen peroxide is converted to water and oxygen. Human catalase has the last four amino acids (-KANL) at the extreme C-terminus for peroxisome targeting. The monomer of human catalase is 61.3 kDa in molecular size. Catalase has been implicated as an important factor in inflammation, mutagenesis, prevention of apoptosis, and stimulation of a wide spectrum of tumors. Loss of catalase leads to the human genetic disease, acatalasemia.

Immunogen:

Recombinant human protein purified from *E. coli*

Host:

Mouse

Isotype:

IgG2b

Species Reactivity:

Mouse, human and rat. Others not tested.

Format:

HEPES with 0.15M NaCl with protein stabilizer, 0.03% sodium azide and 50% glycerol

Positive Control:

HeLa

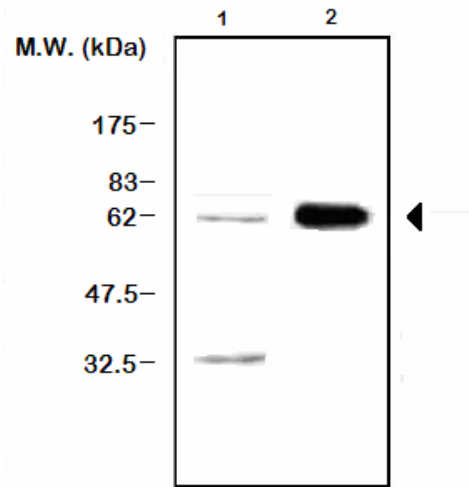
Storage:

Store at -20°C. Avoid repeated freeze/thaw cycles.

Applications:

- Immunoprecipitation: Use at 1-2 µL
- ELISA

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



IMMUNOPRECIPITATION ANALYSIS of HeLa cell lysates:
Lane 1: Input Lane 2: Precipitates
Immunoblot: anti-catalase polyclonal antibody

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.