

Catalog No. LF-MA0003

MONOCLONAL ANTIBODY



Anti-Catalase (1A1)

Background : 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, or Takahara's disease (1).

Immunogen : Recombinant human protein purified from *E.coli*

Host : Mouse

Clone number : 1A1

Isotype : IgG2b, k

Size : 100ul

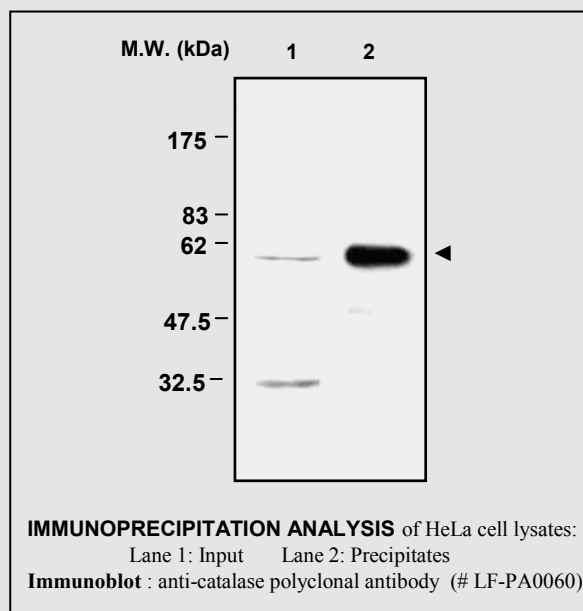
Composition : PBS containing 50% glycerol

Positive control : HeLa cell lysates

Storage : Store for 1 year at -20°C from date of shipment

Species cross reactivity

Human	Mouse	Rat
+	+	+



Applications :

ELISA

Immunoprecipitation (1-2 ul/400ul lysates)

Background Reference :

1) Tainer, J. A. et al. (2000) J Mol Biol. 296(1):295-309.

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