

## Product Information

**Size:**

5µg

**Applications:**

ELISA, Flow Cytometry

**Reactivity:**

Human

**Source:**

Mouse

IgG1

**Isotype:**

**Purification Method:**

AK2 antibody was purified from mouse ascitic fluids by protein-A affinity chromatography.

**Protein Background:**

Adenylate kinases plays a role in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. There are 3 types of adenylate kinase isozymes, AK1, AK2, and AK3 in vertebrates. Expression of these isozymes are tissue-specific and developmentally regulated. AK2 is localized in the mitochondrial intermembrane space and is involved in apoptosis. AK2 is mutated in individuals with reticular dysgenesis.

**Synonyms:**

ADK2, AK-2, Adenylate kinase isoenzyme 2 mitochondrial, ATP-AMP transphosphorylase 2, adenylate kinase 2.

**Immunogen:**

Anti-human AK2 mAb, is derived from hybridization of mouse F myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human AK2 protein 1-239 amino acids purified from Ecoli.

**Storage:**

For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.