



A Reliable Research Partner in Life Science and Medicine

# **Recombinant Insulin Monoclonal Antibody**

catalog number: AN301325L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

Reactivity Human; Mouse; Rat

Immunogen Recombinant Human Insulin protein

HostRabbitIsotype $IgG,\kappa$ CloneB1088PurificationProtein A

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

WB 1:1000-1:5000

#### Data



Western Blot with Recombinant Insulin Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: MIN6 whole cell lysate.

Observed-MW:12 kDa Calculated-MW:12 kDa

## **Preparation & Storage**

Storage Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

## **Background**

After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into three peptides: the B chain and A chain peptides, which are covalently linked via two disulfide bonds to form insulin, and C-peptide. Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake. A multitude of mutant alleles with phenotypic effects have been identified. There is a read-through gene, INS-IGF2, which overlaps with this gene at the 5' region and with the IGF2 gene at the 3' region. Alternative splicing results in multiple transcript variants.