

## MONOCLONAL ANTIBODY

*For research use only. Not for clinical diagnosis.*

**Catalog No. NARO-M01**

# Anti Prion Protein Mouse Monoclonal Antibody

## BACKGROUND

Highly purified recombinant mouse prion protein (mPrP, amino acids 121-231, expressed in *E. coli*) was used to immunize mouse. Affinity chromatography of the ascites gave the purified monoclonal antibody.

<b>Lot</b>	I091215
<b>Product type</b>	Primary antibodies
<b>Host</b>	Mouse
<b>Source</b>	Ascites
<b>Form</b>	Liquid
<b>Volume</b>	100 $\mu$ l
<b>Concentration</b>	1.5 mg/ml
<b>Specificity</b>	Prion protein
<b>Antigen</b>	mPrP, amino acids 121-231, expressed in <i>E. coli</i>
<b>Clone</b>	T2
<b>Isotype</b>	IgG1

## Application notes

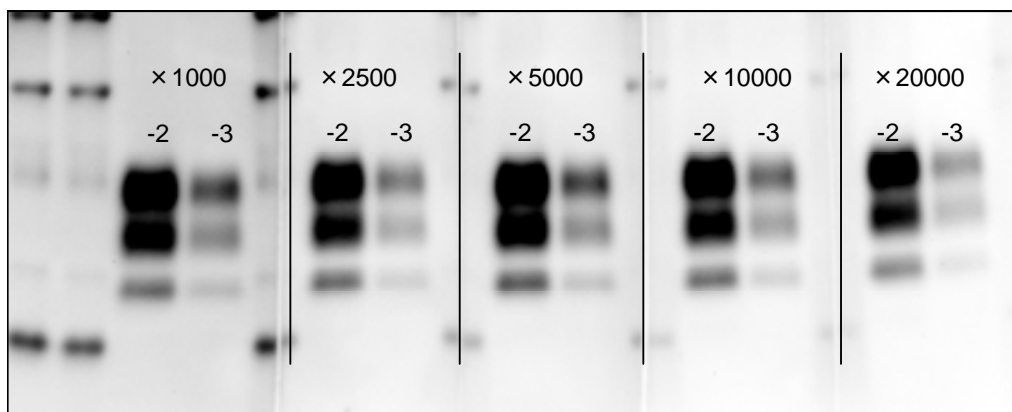
WB

### Recommended dilutions

Western blotting, 1/5,000 to 1/10,000

Optimal dilutions/concentrations should be determined by the end user.

### Staining Pattern



Antigen: Scrapie-affected mouse brain homogenates

Obihiro -2 = 6.3  $\mu$ g brain equivalent

Obihiro -3 = 1.6  $\mu$ g brain equivalent

## Cross reactivity

Mouse, Hamster, Sheep (exclude PrP154H genotype), Cattle, Deer

## Storage

Store below -20°C (below -70°C for prolonged storage).

Aliquot to avoid cycles of freeze/thaw.

**References**  
**Supplier**

Shimizu y. et al., Microbiol. Immunol. 2010; 54: 112-121.

National Institute of Animal Health, NIAH, National Agriculture and Food Research Organization, NARO.

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