



# IMPDH2 mouse mAb

Catalog No	BYmab-18118
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IMPDH2 IMPD2
Protein Name	Inosine-5'-monophosphate dehydrogenase 2 (IMP dehydrogenase 2) (IMPD 2) (IMPDH 2) (EC 1.1.1.205) (IMPDH-II)
Immunogen	Synthesized peptide derived from human IMPDH2
Specificity	This antibody detects endogenous levels of IMPDH2 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	57kD
Cell Pathway	Cytoplasm . Nucleus . Cytoplasm, cytosol . Can form fiber-like subcellular structures termed 'cytoophidia' in response to intracellular guanine-nucleotide depletion. .
Tissue Specificity	IMPDH1 is the main species in normal leukocytes and IMPDH2 predominates over IMPDH1 in the tumor.
Function	Catalyzes the conversion of inosine 5'-phosphate (IMP) to xanthosine 5'-phosphate (XMP), the first committed and rate-limiting step in the de novo synthesis of guanine nucleotides, and therefore plays an important role in the regulation of cell growth . Could also have a single-stranded nucleic acid-binding activity and could play a role in RNA and/or DNA metabolism . It may also have a role in the development of malignancy and the growth progression of some tumors.
Background	

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**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

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