

Human Inosine-5'-Monophosphate Dehydrogenase II, human recombinant
IMP dehydrogenase type II, IMPDH II, IMPD2, IMPDH
Catalog # PBV11611r**Specification**

Human Inosine-5'-Monophosphate Dehydrogenase II, human recombinant - Product info

Primary Accession [P12268](#)
Calculated MW **57 kDa KDa**

Human Inosine-5'-Monophosphate Dehydrogenase II, human recombinant - Additional Info

Gene ID **3615**

Other Names

IMP dehydrogenase type II, IMPDH II, IMPD2, IMPDH

Gene Source **Human**
Source **E.coli**
Assay&Purity **SDS-PAGE;> 90%**
Recombinant **Yes**
Target/Specificity
IMPDH2

Format

Liquid

Storage

-20°C; 20 mM Tris, pH 8.0, 150 mM NaCl, 2mM DTT, 2mM EDTA and 20% glycerol

Human Inosine-5'-Monophosphate Dehydrogenase II, human recombinant - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human Inosine-5'-Monophosphate Dehydrogenase II, human recombinant - Images**Human Inosine-5'-Monophosphate Dehydrogenase II, human recombinant - Background**

Inosine monophosphate dehydrogenase, IMPDH, (E.C. 1.1.1.205) is the rate-limiting enzyme in de novo guanine nucleotide biosynthesis and it is essential for lymphocyte proliferation. IMPDH oxidizes inosine 5'-monophosphate (IMP) to xanthine 5'-monophosphate (XMP) using NAD as a

cofactor. It plays a critical role in cell growth and in the malignancy of some tumors. IMPDH II is the predominant isoform of IMPDH and is specifically linked to a wide range of cancers and lymphocyte proliferation. BioVision's active human IMPDH II is suitable for functional assays, high-throughput screening and preclinical studies in drug discovery.