# IMPDH1 Conjugated Antibody

Catalog No: #C37655

Package Size: #C37655-AF350 100ul #C37655-AF405 100ul #C37655-AF488 100ul #C37655-AF555 100ul #C37655-AF594 100ul #C37655-AF647 100ul #C37655-AF680 100ul #C37655-AF750 100ul #C37655-Biotin 100ul

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## Description

| | |
|---|---|
| Product Name | IMPDH1 Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous levels of total IMPDH1 protein. |
| Immunogen Description | Synthetic peptide corresponding to residues near the C terminal of human IMP (inosine 5'-monophosphate) dehydrogenase 1 |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | IMPD; RP10; IMPD1; LCA11; sWSS2608 |
| Accession No. | Swiss-Prot#:P20839NCBI Gene ID:3614NCBI mRNA#:NCBI Protein#:NP_060283 |
| Uniprot | P20839 |
| GeneID | 3614; |
| Excitation Emission | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW | 55 |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°Cin dark for 6 months |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

The protein encoded by this gene acts as a homotetramer to regulate cell growth. The encoded protein is an enzyme that catalyzes the synthesis of xanthine monophosphate (XMP) from inosine-5'-monophosphate (IMP). This is the rate-limiting step in the de novo synthesis of guanine nucleotides. Defects in this gene are a cause of retinitis pigmentosa type 10 (RP10). Several transcript variants encoding different isoforms have been found for this gene.

Note: This product is for in vitro research use only