



Anti-IgG4 monoclonal antibody, clone HP6025 (CABT-48879MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Mouse anti Human IgG4 antibody, clone HP6025 recognizes the heavy chain of human IgG4, at an epitope in the Fc region. No cross-reactivity is observed with IgG1, IgG2, IgG3, IgM, IgA. Elevated levels of IgG4 and of IgG4 presenting plasma cells are frequently seen in patients with autoimmune pancreatitis (IAP) and inflammatory bowel disease and it is suggested that IAP may develop as a paraneoplastic syndrome in some cancer patients |
| Specificity | IgG4 |
| Immunogen | Purified IgG4 |
| Isotype | IgG1 |
| Source/Host | Mouse |
| Species Reactivity | Human, Chimpanzee |
| Clone | HP6025 |
| Conjugate | Unconjugated |
| Applications | IHC-Fr; Immunoblotting; IHC-P; WB |
| Format | Purified IgG - liquid |
| Size | 200 µg |
| Preservative | See individual product datasheet |
| Storage | in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. |

GENE INFORMATION

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| Gene Name | IGHG4 immunoglobulin heavy constant gamma 4 (G4m marker) [Homo sapiens (human)] |
| Official Symbol | IGHG4 |
| Synonyms | IGHG4; immunoglobulin heavy constant gamma 4 (G4m marker); IGG4; |
| Entrez Gene ID | 3503 |
| UniProt ID | P01861 |
| Chromosome Location | 14q32.33 |
| Pathway | Classical antibody-mediated complement activation; Complement cascade; Creation of C4 and C2 activators; FCGR activation; Fcgamma receptor (FCGR) dependent phagocytosis; Immune System; Initial triggering of complement; Innate Immune System; |
| Function | antigen binding; |