



Anti-IgG4 monoclonal antibody, clone HP6025 [HRP] (CABT-48878MH)

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

PRODUCT INFORMATION

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	HRP
Applications	IHC-Fr; ELISA; IHC-P
Size	200 µg
Preservative	None
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

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;