

## Product datasheet for **TA420120**

### IGHG4 Mouse Monoclonal Antibody [Clone ID: HP6025]

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	HP6025
<b>Applications:</b>	ELISA, IB, IHC, WB
<b>Reactivity:</b>	Chimpanzee
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Purified IgG4
<b>Specificity:</b>	IgG4
<b>Formulation:</b>	Borate buffered saline containing <0.1% sodium azide (NaN <sub>3</sub> ) <b>Label:</b> HRP,Purified <b>State:</b> Antibody purified from ascites Purified IgG - liquid
<b>Concentration:</b>	lot specific
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	+4°C, -20°C if preferred
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	immunoglobulin heavy constant gamma 4 (G4m marker)
<b>Database Link:</b>	<a href="#">P01861</a>



**Background:**

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 (Jefferis et al. 1985). Elevated levels of IgG4 and of IgG4 presenting plasma cells are frequently seen in patients with autoimmune pancreatitis (IAP) and inflammatory bowel disease (Navaneethan et al. 2011) and it is suggested that IAP may develop as a paraneoplastic syndrome in some cancer patients (Shiokawa et al. 2013)