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IgG1 (YD15364) Rabbit mAb

货号: AYD16193

产品信息

反应	Human
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB
推荐浓度	
理论分子量	44kDa
实测分子量	
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	human plasma
细胞定位	Secreted, Cell membrane
纯化	亲和纯化

抗原信息

抗原信息	

靶点信息

研究背景	As a monomeric immunoglobulin that is predominately involved in the secondary antibody response and the only isotype that can pass through the human placenta, Immunoglobulin G (IgG) is synthesized and secreted by plasma B cells, and constitutes 75% of serum immunoglobulins in humans. IgG antibodies protect the body against the pathogens by agglutination and immobilization, complement activation, toxin neutralization, as well as the antibody-dependent cell-mediated cytotoxicity (ADCC). IgG tetramer contains two heavy chains (50 kDa) and two light chains (25 kDa) linked by disulfide bonds, that is the two identical halves form the Y-like shape. IgG is digested by pepsin proteolysis into Fab fragment (antigen-binding fragment) and Fc fragment ("crystallizable" fragment). IgG1 is most abundant in serum among the four IgG subclasses (IgG1, 2, 3 and 4) and binds to Fc receptors (FcγR) on phagocytic cells with high affinity.
基因ID	3500
基因名	IGHG1
Swiss	P01857 (https://www.uniprot.org/uniprotkb/P01857/entry)
别名	IgG1 (YD15364),IgG1 (YD15364) Rabbit mAb,IGHG1,Ig gamma-1 chain C region,Ig gamma-1 chain C region EU,Ig gamma-1 chain C region KOL,Ig gamma-1 chain C region NIE

产品验证

实验步骤

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