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Product datasheet for TA592881

hIgG Lambda light chain Rabbit Monoclonal Antibody [Clone ID: OTIR10C7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTIR10C7
Applications:	ELISA, WB
Recommended Dilution:	WB 1:2000, ELISA 1:5000-10000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Native protein
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Predicted Protein Size:	55 kDa
Background:	Immunoglobulin G (IgG) is the predominant antibody class present in mouse and human serum. It is also the main class used in development of antibody therapies, especially those for cancer.1 IgG is also used to treat immune defificiencies and auto-immune diseases in the form of intravenous immunoglobulin (IVIg), generated from a plasma pool of thousands of donors.Human IgG can be divided in 4 subclasses, IgG1, IgG2, IgG3 and IgG4, and mouse in IgG1, IgG2a, IgG2b and IgG3, with IgG2c being the equivalent of IgG2a in some mouse strains such as C47Bl/6 mice. All subclasses mediate effector functions slightly different due to variable specificity and affinity for the different IgG binding partners mentioned above. Most of the currently approved therapeutic monoclonal antibodies are IgG1, but also IgG2 and IgG4 are used. IgG2 and IgG4 are preferred when Fc-mediated effector functions are not needed or not preferred, as these subclasses bind with lower affinity to the FcgR and activate complement less actively.

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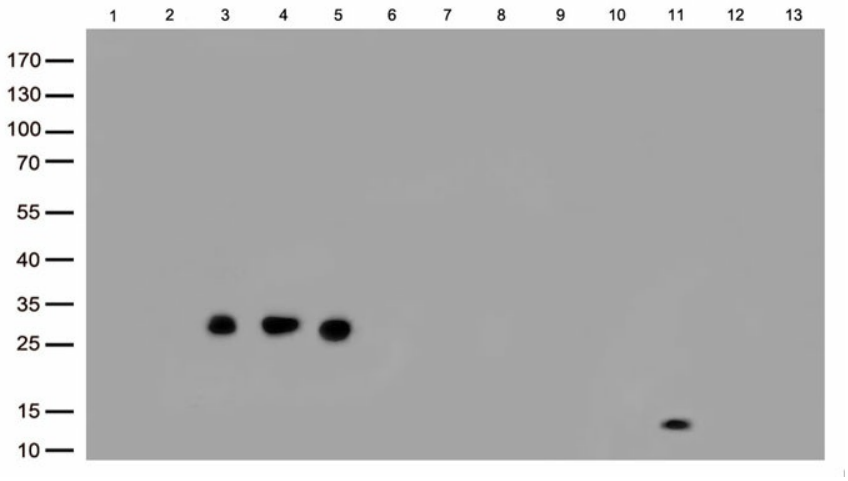
Product images:



Immunoblot analysis of 13 different native protein (Lane 1.Human IgG1 with Kappa light chain; 2.Human IgG2 with Kappa light chain ; 3.Human IgG3 with Lambda light chain; 4.Human IgG4 with Lambda light chain;5.Human IgG F(ab)'2 ;6.Human IgG1 Fc;7.Human IgG2 Fc ;8.Human IgG3 Fc;9.Human IgG4 Fc;10.Human kappa constant resion;11.Human lambda constant resion;12.Mouse IgG;13.Rat IgG) with TA592881 at 1:2000.