For Research Use Only

Protein A Monoclonal antibody

Catalog Number:66945-1-Ig 4 Publications

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Basic Information

Catalog Number:
66945-1-Ig

Size:
1500 ug/ml

Source:
Mouse

Isotype:
IgG2a

GenBank Accession Number:
EU695225

GeneID (NCBI):

Full Name:

Purification Method:
Protein G purification

CloneNo.:
1G6A6

Recommended Dilutions:
WB 1:2000-1:10000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, IP

Species Specificity:
staphylococcus aureus

Cited Species:
human, mouse, yeast

Positive Controls:

WB : recombinant protein, recombinant protein

Background Information

Protein A is a surface protein of S.aureus which binds IgG molecules by their Fc region (PMID: 4163007). Engineered Protein A has been widely used in antibody purification due to its Fc binding property. However, trace of protein A might be leaked from purification resin thus causes contamination of final products. Antibody against Protein A or ELISA kits for Protein A could be used to evaluate leaking level of Protein A from resin. Protein A should be deactivated (e.g. boiling in 5-10% tween-20) before testing.

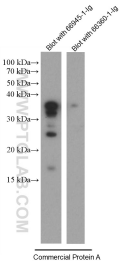
Notable Publications

Author	Pubmed ID	Journal	Application
Katsutoshi Yoshizato	35792074	J Biochem	
Qian Wang	17467839	Virus Res	IP
Congcong Tian	38713623	Proc Natl Acad Sci U S A	WB

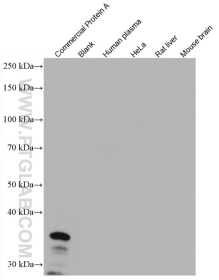
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Commercial Protein A was deactivated and lysised followed by SDS-PAGE and then blot with 66945-1-Ig (Protein A antibody) at dilution of 1:10000 and isotype control antibody 66360-1-Ig at 1:2000 incubated at room temperature for 1.5 hours.



Commercial Protein A and negative samples (human plasma, HeLa cells, rat liver, mouse brain) were subjected to SDS-PAGE followed by western blot with 66945-1-Ig (Protein A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.