

For Research Use Only

APOBEC3A Recombinant antibody

Catalog Number: 84239-2-RR



Basic Information

Catalog Number: 84239-2-RR	GenBank Accession Number: BC126416	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 200315	CloneNo.: 241529F1
Source: Rabbit	UNIPROT ID: P31941	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3A	
Immunogen Catalog Number: AG18845	Calculated MW: 199 aa, 23 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : THP-1 cells,
Species Specificity: human	

Background Information

APOBEC3A, also known as A3A, belongs to the cytidine and deoxycytidylate deaminase family. APOBEC3A plays a role in immunity, by restricting transmission of foreign DNA such as viruses. One mechanism of foreign DNA restriction is deamination of foreign double-stranded DNA cytidines to uridines, which leads to DNA degradation. However, other mechanisms are also thought to be involved, as anti-viral effect is not dependent on deaminase activity. APOBEC3A is expressed in several cell types, including keratinocytes and myeloid cells (PMID: 28825669). APOBEC3A has 2 isoforms with the molecular mass of 22 and 23 kDa.

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

*** 20ul sizes contain 0.1% BSA

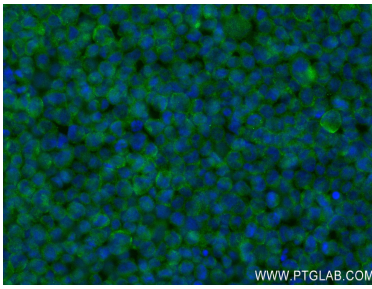
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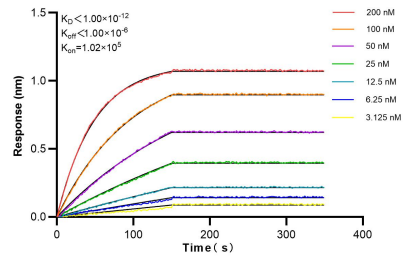
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using APOBEC3A antibody (84239-2-RR, Clone: 241529F1) at dilution of 1:250 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Bilayer interferometry (BLI) kinetic assays of 84239-2-RR against Human APOBEC3A were performed. The affinity constant is below 1 pM.