

For Research Use Only

# ABCA3 Recombinant antibody

Catalog Number: 83018-1-RR



## Basic Information

<b>Catalog Number:</b> 83018-1-RR	<b>GenBank Accession Number:</b> BC140895	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 21	<b>CloneNo.:</b> 230194C12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q99758	
<b>Isotype:</b> IgG	<b>Full Name:</b> ATP-binding cassette, sub-family A (ABC1), member 3	
<b>Immunogen Catalog Number:</b> AG24749		

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human

## Background Information

ABCA3 belongs to the ATP-binding cassette (ABC) transporter superfamily. ABCA3, which is expressed in alveolar type II pneumocytes and localizes predominantly to the limiting membrane of lamellar bodies, is critical for synthesis of surfactant(PMID: 17267394). Mutation of the ABCA3 gene causes fatal surfactant deficiency in newborns(PMID: 15044640).

## 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.

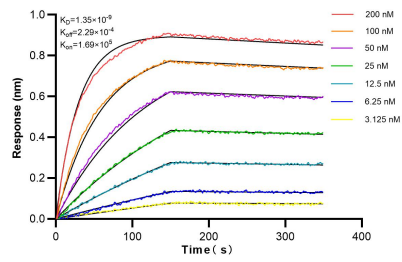
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Biolayer interferometry (BLI) kinetic assays of 83018-1-RR against Human ABCA3 were performed. The affinity constant is 1.35 nM.