

# Human ATP-binding cassette sub-family A member 3 (ABCA3) ELISA Kit



Catalog No: #EK7611

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)

Package Size: #EK7611-1 48T #EK7611-2 96T

Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Human ATP-binding cassette sub-family A member 3 (ABCA3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	ABC-C; ABC3; EST111653; LBM180; MGC166979; MGC72201; SMDP3; ABC transporter 3 ATP-binding cassette; sub-family A member 3
Accession No.	Q99758
Uniprot	Q99758
GeneID	21;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:78.1-5000 pg/mL

Sensitivity:33 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate ABCA3 in samples. An antibody specific for ABCA3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ABCA3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCA3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ABCA3 bound in the initial step. The color development is stopped and the intensity of the color is measured.

**Product Overview:**ATP-binding cassette sub-family A member 3 is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intracellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White).

This protein is a member of the ABC1 subfamily. Members of the ABC1 subfamily comprise the only major ABC subfamily found exclusively in multicellular eukaryotes. The full transporter encoded by this gene may be involved in development of resistance to xenobiotics and engulfment during programmed cell death.

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Note: This product is for in vitro research use only