

# Mouse ATP-binding cassette sub-family A member 9 (ABCA9) ELISA Kit



Catalog No: #EK7613

Orders: order@signalwayantibody.com

Package Size: #EK7613-1 48T #EK7613-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Mouse ATP-binding cassette sub-family A member 9 (ABCA9) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	DKFZp686F2450; EST640918; MGC75415; ATP-binding cassette A9 ATP-binding cassette; sub-family A; member 9
Accession No.	Q8K449
Uniprot	Q8K449
GeneID	217262;
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:0.156-10 ng/mL

Sensitivity:0.058 ng/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:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate ABCA9 in samples. An antibody specific for ABCA9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyABCA9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCA9 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 ABCA9 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 9 is a member of the superfamily of ATP-binding cassette (ABC) transporters and the encoded protein contains two transmembrane domains and two nucleotide binding folds. 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, and White).

This gene is a member of the ABC1 subfamily and is clustered with four other ABC1 family members on chromosome 17q24. Transcriptional expression of this gene is induced during monocyte differentiation into macrophages and is suppressed by cholesterol import.Widely expressed with higher expression in heart.

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Note: This product is for in vitro research use only