

# Mouse Cornifin-B (SPRR1B) ELISA Kit

Catalog No: #EK6622



Package Size: #EK6622-1 48T #EK6622-2 96T

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## Description

|                    |  |
|--------------------|--|
| Product Name       | Mouse Cornifin-B (SPRR1B) ELISA Kit  |
| Brief Description  | ELISA Kit  |
| Applications       | ELISA  |
| Species Reactivity | Mouse ( <i>Mus musculus</i> )  |
| Other Names        | CORNIFIN; GADD33; MGC61901; SPRR1; cornifin B small proline-rich protein 1B  |
| Accession No.      | Q62267   |
| Uniprot            | Q62267   |
| GeneID             | 20754;   |
| 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:Request Information

Sensitivity:Request Information

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 SPRR1B in samples. An antibody specific for SPRR1B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySPRR1B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPRR1B 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 SPRR1B bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**All SPRR genes are closely linked within a 300-kb DNA segment on 1q21-q22.Marvin et al. (1992) characterized a cDNA clone corresponding to mRNA abundantly expressed in differentiating squamous cells originally isolated from a rabbit squamous cell library. Small Proline Rich Protein 1B is a 14-kD protein that appears to function as a component of the crosslinked envelope in squamous differentiating cells. Called cornifin, the protein has a high content of proline (31%), glutamine (20%), and cysteine (11%) and contains 13 repeats of an octapeptide (consensus sequence, EPCQPKVP) at its C terminus. In situ hybridization analysis showed that the mRNA is restricted to the suprabasal layers of the epidermis. Crosslinking of the protein appears to be mediated by transglutaminase type I.

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Note: This product is for in vitro research use only