

# Human Disrupted in renal carcinoma protein 2 (DIRC2) ELISA Kit

Catalog No: #EK10680

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Package Size: #EK10680-1 48T #EK10680-2 96T

## Description

Product Name	Human Disrupted in renal carcinoma protein 2 (DIRC2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ14784; RCC4; disrupted in renal cancer protein 2 renal cell carcinoma 4
Accession No.	Q96SL1
Uniprot	Q96SL1
GeneID	84925;
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 DIRC2 in samples. An antibody specific for DIRC2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDIRC2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DIRC2 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 DIRC2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**DIRC2 has a conserved motif that is shared with the major facilitator superfamily of transporters between membrane-spanning domains 2 and 3, and a proline-rich region between membrane-spanning domains 6 and 7. DIRC2 also contains a putative N-glycosylation site and several putative phosphorylation sites. Computer predictions of the putative DIRC2 protein showed significant homology to different members of the major facilitator superfamily of transporters. DIRC2 shares 43% similarity with the human homolog of feline leukemia virus type C receptor (FLVXR), which has been classified as a major facilitator superfamily transporter, and more than 85% homology with Dirc2 from monkey, pig, dog, and mouse. Northern blot analysis revealed a 2.2-kb transcript in most tissues tested, including kidney.

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Note: This product is for in vitro research use only