# Rat Chemokine C-X3-C-Motif Receptor 1 ELISA Kit | CX3CR1 elisa kit

Rat Chemokine C-X3-C-Motif Receptor 1 ELISA Kit

| CATALOG # | REACTIVITY |
|---|---|
| **AAA16633** | **Rat** |

## PRODUCT SYNONYMS

Chemokine C-X3-C-Motif Receptor 1; Rat Chemokine C-X3-C-Motif Receptor 1 ELISA Kit; CX3CR1 elisa kit

## PRODUCT SPECIFICATIONS

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|---|---|
| **Reactivity** | Rat |
| **Samples** | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| **Assay Type** | Competitive |
| **Detection Range** | 0.5-10ng/mL |
| **Sensitivity** | 0.1ng/ml |
| **Preparation and Storage** | Store all reagents at 2-8 degree C. |

## IMAGES

**Standard Curve (Sample)**

## ADDITIONAL INFORMATION

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| **Related Product Information for CX3CR1 elisa kit** | Intended Uses: This CX3CR1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CX3CR1. This ELISA kit for research use only!<br><br>Principle of the Assay\|\|CX3CR1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CX3CR1 antibody and an CX3CR1-HRP conjugate. The assay sample and buffer are incubated together with CX3CR1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CX3CR1 concentration since CX3CR1 from samples and CX3CR1-HRP conjugate compete for the anti-CX3CR1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CX3CR1 from the sample, fewer sites are left to bind CX3CR1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CX3CR1 concentration in each sample is interpolated from this standard curve. |
| **Product Categories/Family for CX3CR1 elisa kit** | Immunology |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GI #** | 1351394 |

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| **NCBI GeneID** | 1524 |
| **Molecular Weight** | 43,969 Da |
| **NCBI Official Full Name** | CX3C chemokine receptor 1 |
| **NCBI Official Synonym Full Names** | chemokine (C-X3-C motif) receptor 1 |
| **NCBI Official Symbol** | CX3CR1 |
| **NCBI Official Synonym Symbols** | V28; CCRL1; GPR13; CMKDR1; GPRV28; CMKBRL1 |
| **NCBI Protein Information** | CX3C chemokine receptor 1; CMK-BRL1; CMK-BRL-1; C-X3-C CKR-1; fractalkine receptor; G protein-coupled receptor 13; G-protein coupled receptor 13; chemokine (C-X3-C) receptor 1; beta chemokine receptor-like 1; chemokine (C-C) receptor-like 1 |
| **UniProt Protein Name** | CX3C chemokine receptor 1 |
| **UniProt Gene Name** | **CX3CR1** |
| **UniProt Synonym Gene Names** | CMKBRL1; GPR13; C-X3-C CKR-1; CX3CR1; CMK-BRL1 |
| **UniProt Entry Name** | CX3C1_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/cx3cr1-rat-elisa-kits/chemokine-c-x3-c-motif-receptor-1/16633