

## Cat CXCR4 (Chemokine C-X-C-Motif Receptor 4) ELISA Kit | CXCR4 elisa kit

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CATALOG #  
**AAA277771**

REACTIVITY  
**Cat**

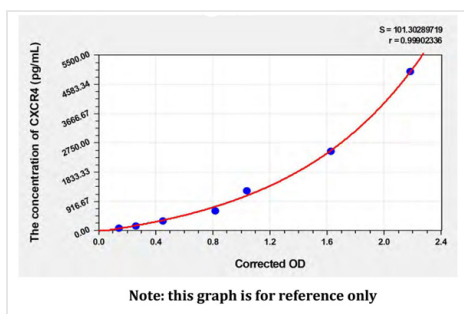
### PRODUCT SYNONYMS

CXCR4 (Chemokine C-X-C-Motif Receptor 4); Cat CXCR4 (Chemokine C-X-C-Motif Receptor 4) ELISA Kit; CD184; Fusin; NPYR; HSY3RR; LAP3; LCR1; LESTR; NPY3R; NPYRL; WHIM; Leukocyte-derived seven transmembrane domain receptor; Lipopolysaccharide-associated protein 3; CXCR4 elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Cat                                                                                                                                                                                 |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of Cat CXCR4. No significant cross-reactivity or interference between Cat CXCR4 and analogues was observed. |
| Assay Type            | Sandwich                                                                                                                                                                            |
| Detection Range       | 78.13-5000 pg/mL                                                                                                                                                                    |
| Sensitivity           | 36.8 pg/mL                                                                                                                                                                          |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.              |
| Inter-assay Precision | Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.             |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CXCR4 elisa kit

**Principle of the Assay:** The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cat CXCR4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cat CXCR4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Cat CXCR4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Cat CXCR4 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                            |                                       |
|----------------------------|---------------------------------------|
| NCBI GI #                  | 57770319                              |
| NCBI GeneID                | 493676                                |
| NCBI Accession #           | NP_001009826.1                        |
| NCBI GenBank Nucleotide #  | NM_001009826.1                        |
| UniProt Accession #        | P56498; O02700; P79172                |
| Molecular Weight           | 39,936 Da                             |
| NCBI Official Full Name    | C-X-C chemokine receptor type 4       |
| NCBI Official Symbol       | CXCR4                                 |
| NCBI Protein Information   | C-X-C chemokine receptor type 4       |
| UniProt Protein Name       | C-X-C chemokine receptor type 4       |
| UniProt Gene Name          | <b>CXCR4</b>                          |
| UniProt Synonym Gene Names | CXC-R4; CXCR-4; LESTR; SDF-1 receptor |

**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/cat-elisa-kits/cxcr4-chemokine-c-x-c-motif-receptor-4/277771>