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## Product Datasheet

### Human Stromal Cell Derived Factor 1 (SDF-1/CXCL12) ELISA Kit BYT-ORB1807222

|                            |   |
|----------------------------|---|
| Article Name               | Human Stromal Cell Derived Factor 1 (SDF-1/CXCL12) ELISA Kit    |
| Biozol Catalog Number      | BYT-ORB1807222  |
| Supplier Catalog Number    | orb1807222  |
| Alternative Catalog Number | BYT-ORB1807222-48,BYT-ORB1807222-96                             |
| Manufacturer               | Biorbyt   |
| Category                   | Kits/Assays   |
| Species Reactivity         | Human   |
| Product Description        | Human Stromal Cell Derived Factor 1 (SDF-1/CXCL12) ELISA Kit... |
| Range                      | 0.16-10ng/mL  |
| Sensitivity                | 0.10 ng/mL  |
| UniProt                    | <a href="#">P48061</a>  |
| Samples                    | serum, plasma, Tissue homogenate and Other biological samples   |
| Target                     | SDF1  |

Application Notes

Application Notes: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human SDF-1/CXCL12. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human SDF-1/CXCL12 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human SDF-1/CXCL12, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm  $\pm$  2 nm. The OD value is proportional to the concentration of Human SDF-1/CXCL12. You can calculate the concentration of Human SDF-1/CXCL12 in the samples by comparing the OD of the samples to the standard curve