

## Goat anti-Cxcr4b (zebrafish) Antibody

**Item Number** dAP-1205

**Target Molecule** Principle Name: Cxcr4b (zebrafish); Official Symbol: cxcr4b; All Names and Symbols: cxcr4b; chemokine (C-X-C motif), receptor 4b ; CXCR4; cb403; zgc:109863; ody; odysseus; Accession Number (s): NP\_571909.1; Human Gene ID(s): ; Non-Human GenelD(s):

**Immunogen** CELTYPQEAN, is from internal region  
This antibody is not expected to cross-react with Cxcr4a.

**Applications** Pep ELISA

Species Tested:

**Purification** Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

**Supplied As** lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.  
Aliquot and store at -20°C. Minimize freezing and thawing.

**Peptide ELISA** Peptide ELISA: antibody detection limit dilution 1 to 8000.

**Western Blot** Western Blot: Not yet tested. At this stage we are dependent on researchers in the field for further characterization of this product. Therefore we cannot recommend an optimal concentration and the product is investigative grade. We would appreciate any

**IHC**

**Reference** Reference(s): David NB, Sapepe D, Saint-Etienne L, Thisse C, Thisse B, Dambly-Chaudiere C, Rosa FM, Ghysen A. Molecular basis of cell migration in the fish lateral line: role of the chemokine receptor CXCR4 and of its ligand, SDF1. Proc Natl Acad Sci U S A. 2002 Dec 10;99(25):16297-302. Epub 2002 Nov

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**