For Research Use Only

## CoraLite® Plus 488-conjugated CXCL12/SDF-1 Polyclonal antibody



Catalog Number: CL488-17402

Featured Product

**Basic Information** 

Catalog Number: CL488-17402

1000 µg/ml Source: Rabbit Isotype:

Immunogen Catalog Number:

Calculated MW: 89 aa, 10 kDa

BC039893

6387

P48061 Full Name:

GeneID (NCBI):

**UNIPROT ID:** 

GenBank Accession Number: **Purification Method:** 

Antigen affinity purification Excitation/Emission maxima

wavelengths: 493 nm / 522 nm

**Applications** 

**Background Information** 

**Tested Applications:** 

FC (Intra)

Species Specificity: human, mouse

In adulthood, CXCL12 plays an important role in angiogenesis by recruiting endothelial progenitor cells (EPCs) from the bone marrow through a CXCR4 dependent mechanism (PMID: 17878755). It is this function of CXCL12 that makes it a very important factor in carcinogenesis and the neovascularisation linked to tumour progression (PMID:

16943240). CXCL12 also has a role in tumor metastasis where cancer cells that express the receptor CXCR4 are attracted to metastasis target tissues that release the ligand, CXCL12 (PMID: 11242036). In breast cancer, however, increased expression of CXCL12 determines a reduced risk of distant metastasis (PMID: 19646861; 17724466). This

chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)

antibody can detect all the isoforms of CXCL12/SDF1.

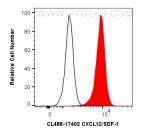
Storage

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



1X10^6 Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human CXCL12/5DF-1 (CL488-17402) (red), or 0.4 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-3000, Clone: ) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).