

Product datasheet for EA100232

CX3CL1

Product data:

Product Type:	ELISA Kits
Description:	Mouse Fractalkine/CX3CL1 ELISA Kit
Size:	1 x 96 wells
Assay Type:	Sandwich ELISA kit of Quantitative Detection for Mouse Fractalkine/CX3CL1
Assay Length:	3.5 hours incubations; 1 hour washing and analyzing samples
Signal:	Colorimetric
Curve Range:	156pg/ml-10,000pg/ml
Sample Type:	Cell culture supernates, serum, plasma(heparin, EDTA) and tissue homogenates.
Sample Volume:	100 ul
Specificity:	This kit is used for quantitative detection of mouse Fractalkine
Sensitivity:	<10pg/ml
Reactivity:	Mouse
Cross Reactivity:	There is no detectable cross-reactivity with Eotaxin, MCP-1, MCP-2, 6Ckine, MARC.
Interference:	No significant interference observed with available related molecules.
Components:	<ul style="list-style-type: none">● 96-well plate precoated with anti- mouse Fractalkine/CX3CL1 antibody 1● Lyophilized recombinant mouse Fractalkine/CX3CL1 standard 10ng/tubex2● Biotinylated anti- mouse Fractalkine/CX3CL1 antibody 130ul(dilution 1:100)● Avidin-Biotin-Peroxidase Complex(ABC) 130ul(dilution 1:100)● Sample diluent buffer 30ml● Antibody diluent buffer 12ml● ABC diluent buffer 12ml● TMB color developing agent 10ml● TMB stop solution 10ml



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Background:

Chemokine(C-X3-C motif) ligand 1(CX3CL1) is a large cytokine protein of 373 amino acids, it contains multiple domains and is the only known member of the CX3C chemokine family. It is also commonly known under the names fractalkine(in humans) and neurotactin(in mice). CX3CL1 is produced as a long protein(with 373-amino acid in humans) with an extended mucin-like stalk and a chemokine domain on top. The mucin-like stalk permits it to bind to the surface of certain cells. However a soluble(90 kD) version of this chemokine has also been observed. Soluble CX3CL1 potently chemoattracts T cells and monocytes, while the cell-bound chemokine promotes strong adhesion of leukocytes to activated endothelial cells, where it is primarily expressed. CX3CL1 elicits its adhesive and migratory functions by interacting with the chemokine receptor CX3CR1. Its gene is located on human chromosome 16 along with some CC chemokines known as CCL17 and CCL22. It can act as a mediator of smooth muscle cell migration in human atherosclerosis, rather than mediate inflammatory cell recruitment.

Gene Symbol:

CX3CL1

Gene ID:

6376