

Technical Information

Periostin mouse

Cat. No.:	BI-20433MS
Tests:	96
Method:	ELISA
Range:	0 – 16 nmol/l
LLOQ:	0.125 nmol/l (STD2 0.5 nmol/l)
Incubation time:	4.5 hours
Sample volume:	5 µl
Sample type:	Serum, plasma
Sample preparation:	Centrifuge freshly collected blood as soon as possible Store centrifuged samples at -20°C for longer storage. Samples are stable up to 5 freeze and thaw cycles. Hemolyzed or lipemic samples may cause erroneous results.

Reference values:	Adult mice (n=28): 3.4 ± 0.9 nmol/l 4-week old mice (n=24): 8.1 ± 1.0 nmol/l Female mice, 4-week old (n=13): 7.9 ± 1.2 nmol/l Male mice, 4-week old (n=11): 8.4 ± 0.7 nmol/l
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Species: Mouse

Intended use:

Periostin (OSF-2) is secreted as a 91 kDa homodimeric soluble extracellular matrix protein expressed in collagen-rich fibrous connective tissues. Periostin is involved in osteoblast recruitment, attachment and spreading. It has been associated with the epithelial-mesenchymal transition in cancer and with the differentiation of mesenchyme in the developing heart. Periostin has functions in osteology, tissue repair, oncology, cardiovascular and respiratory diseases, and in various inflammatory settings. There are at least 7 isoforms of Periostin, caused by alternative splicing (<http://www.uniprot.org/uniprot/Q15063>).

Intended applications:

- Osteology
- Tissue repair
- Respiratory diseases
- Cardiovascular diseases
- Oncology

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