

Technical Information

Osteocalcin (1-43/49) N-MID human

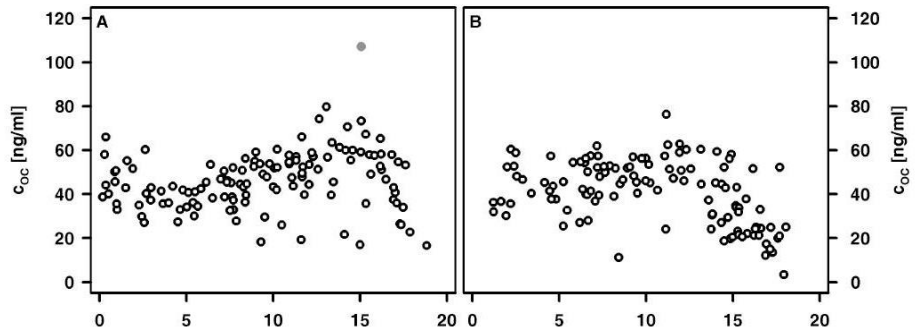
CE

Cat-No.: KT-809
 Tests: 96
 Method: **ELISA**
 Range: 4 - 64 ng/ml
 Sensitivity: 0.3 ng/ml
 Incubation time: 1.5 hours
 Sample volume: 25 µl
 Sample type: Serum, plasma
 Sample preparation: Separate serum or plasma within 3 hours after blood collection. Specimens may be stored at 2-8 °C for 6 days. For longer storage keep at -20 °C. Max. 3 freeze and thaw cycles. Avoid hemolysis.

Reference values:

	Range (ng/ml)	Mean (ng/ml)
Healthy adults (n=40)	3.8 – 25.3	11.7 (median 11.4 ng/ml; SD 3.8 ng/ml)
95 percentile cut-off: 17 ng/ml		
Premenopausal	5.4 - 15.2	10.3
Postmenopausal	3.9 - 21.6	13.8
Men	5.4 - 15.1	10.8
Endstage renal disease patients (n=39)	21 - 119	60.6 (median 59.6 ng/ml; SD 26.2 ng/ml)

Reference values Children:



Age Group	N (m/w)	Osteocalcin Concentration [ng/ml]	
		Median	Range
bis 2,5 J	23	42,80	(29,80 - 65,90)
2,5-5,5 J	29	40,30	(25,50 - 60,20)
5,5-11,5J	93	47,50	(11,10 - 76,20)
11,5-15,5J	61		
	Male (29)	56,70	(16,9 - 107)
	Female (32)	42,95	(18,70 - 62,80)
≥ 15,5 J	72		
	Male (36)	30,45	(11,00 - 65,20)
	Female (36)	20,75	(3,37 - 52,20)

Species: Human

Intended use:

Osteocalcin can be helpful as a biochemical marker for bone turnover. Increased concentrations are found in patients with different bone diseases that are marked by increased osteoblast activity.

- Paget's disease
- Osteomalacia
- Bone fibrosis
- Renal osteodystrophy
- Follow up of osteoporosis treatment

Increased osteocalcin levels were found in patients with elevated levels of thyroid hormones, growth hormones, vitamin D and parathyroid hormones.

For further information please contact / Für weitere Informationen wenden Sie sich bitte an / Pour plus d'informations, veuillez contacter:

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