



Immuno-Biological Laboratories Co., Ltd.

## References

### [27158 Osteopontin Assay Kit - IBL](#)

No.	Field	Keywords	Published	Title
1	Cartilage/Joint	OPN N-Half, ACL	2012	<a href="#">Osteopontin level in synovial fluid is associated with the severity of joint pain and cartilage degradation after anterior cruciate ligament rupture. Yamaga M et al. PLoS One. 2012;7(11):e49014.</a>
2	Central Nervous System	CNS, CSF OPN	2013	<a href="#">The relationship between cerebrospinal fluid osteopontin level and central nervous system involvement in childhood acute leukemia. Incesoy-Özdemir S et al. Turk J Pediatr. 2013 Jan-Feb;55(1):42-9.</a>
3	Inflammatory/Joint	SF, OPN	2011	<a href="#">Thrombin-cleaved osteopontin levels in synovial fluid correlate with disease severity of knee osteoarthritis. Hasegawa M et al. J Rheumatol. 2011 Jan;38(1):129-34.</a>
4	Inflammatory/Joint	SR S	2010	<a href="#">Thrombin-cleaved osteopontin is increased in urine of patients with rheumatoid arthritis. Shio et al. J Rheumatol. 2010 pr;3 (4): 04-10.</a>
5	Inflammatory/Joint	NMDA,	2010	<a href="#">Memantine treatment decreases levels of secreted Alzheimer's amyloid precursor protein (APP) and amyloid beta (A beta) peptide in the human neuroblastoma cells. Ray B et al. Neurosci Lett. 2010 Feb 5;470(1):1-5.</a>
6	Inflammatory/Joint	Abeta(42),	2009	<a href="#">Raft aggregation with specific receptor recruitment is required for microglial phagocytosis of Abeta42. Persaud-Sawin DA et al. Glia. 2009 Feb;57(3):320-35.</a>
7	Inflammatory/Lung	Abeta(3(pE)-42)	2009	<a href="#">Intraneuronal pyroglutamate-Abeta 3-42 triggers neurodegeneration and lethal neurological deficits in a transgenic mouse model. Wirths O et al. Acta Neuropathol. 2009 Oct;118(4):487-96.</a>
8	Liver Cancer	CCL2,	2015	<a href="#">Isoglutaminyl cyclase contributes to CCL2-driven neuroinflammation in Alzheimer's disease. Hartlage-Rübsamen M et al. Acta Neuropathol. 2015 Apr;129(4):565-83.</a>
9	Lung Cancer	LPS,	2008	<a href="#">Neuro-inflammation induced by lipopolysaccharide causes cognitive impairment through enhancement of beta-amyloid generation. Lee JW et al. J Neuroinflammation. 2008 Aug 29;5:37.</a>
10	Renal function	Scopolamine,	2012	<a href="#">Supplementation of Convolvulus pluricaulis attenuates scopolamine-induced increased tau and amyloid precursor protein (AβPP) expression in rat brain. Bihaqi SW et al. Indian J Pharmacol. 2012 Sep-Oct;44(5):593-8.</a>

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