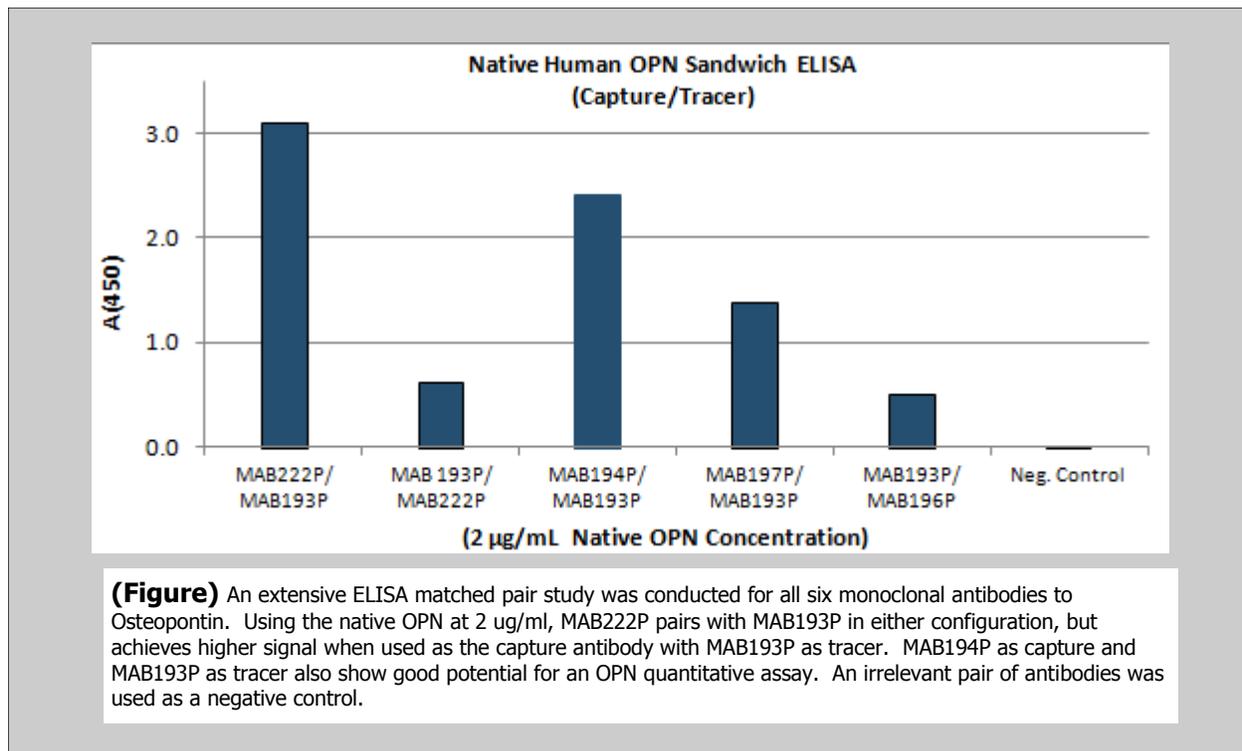


Monoclonal Antibodies to Osteopontin

Osteopontin (OPN) is a multifunctional protein involved in diverse biological processes, including but not limited to physiological and pathological mineralization, inflammation, cell mediated immune response, autoimmune disorders and tissue repair. High levels of circulating OPN and OPN fragments have been implicated as a prognostic indicator of various cancers. Maine Biotechnology Services, Inc.(MBS), in collaboration with Maine Medical Center Research Institute (MMCRI) and the University of Southern Maine (USM), developed six anti-human OPN monoclonal antibodies.

- MAB193P through MAB196P recognize the N-terminal fragment of OPN
- MAB197P recognizes the C-terminal fragment of OPN
- MAB222P is specific for the MMP cleavage site (DSVYVG) of OPN
- All six clones recognize native, purified OPN from human breast milk in indirect and sandwich ELISA
- MAB194P and MAB197P recognize OPN in smooth muscle cells by western blot
- Multiple matched pairs available for the quantification of native OPN



References

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- (2) Havrda MC, Johnson MJ, O'Neill CF, Liaw L: A novel mechanism of transcriptional repression of p27kip1 through Notch/HRT2 signaling in vascular smooth muscle cells. *Thromb Haemost* 2006, 96(3):361-370