

Osteocalcin Antibody FITC Conjugated

Catalog No: #C05448F

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Osteocalcin Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 60-100 100 derived from human Osteocalcin
Conjugates	FITC
Target Name	Osteocalcin
Other Names	Osteocalcin, Bone Gla protein, BGP, Gamma-carboxyglutamic acid-containing protein, BGLAP
Accession No.	Swiss-Prot#P02818NCBI Gene ID632
Uniprot	P02818
GeneID	632;
Excitation Emission	494nm 518nm
Cell Localization	Secreted
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

ICC=1:50-200 IF=1:50-200

Background

Osteocalcin belongs to the osteocalcin matrix Gla protein family and constitutes 1 to 2% of the total bone protein. It is a 49 amino acid single chain vitamin K dependent protein, made by osteoblasts, and is a major component of the noncollagenous bone matrix. Post translational modification by a vitamin K dependent carboxylase produces three gamma carboxyglutamic acid residues at positions 17, 21 and 24, giving it a high affinity for calcium. It also binds strongly to apatite.

Note: This product is for in vitro research use only