

Allgemeine Informationen

Katalog-Nr.: CL647-22952	GenBank-Zugangsnummer: BC007016	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul , Konzentration: 1000 µg/ml von6696	GeneID (NCBI): 10000	Anregungs-/Emissionsmaxima-Wellenlängen: 654 nm / 674 nm
Nanodrop;	Vollständiger Name: secreted phosphoprotein 1	
Wirt: Kaninchen	Berechnete Masse: 314 aa, 35 kDa	
Isotyp: IgG	Beobachtete Masse: 70 kDa, 44-66 kDa	
Immunogen Katalognummer: AG19216		

Anwendungen

Geprüfte Anwendungen:
FC (Intra)

Getestete Reaktivität:
Human, Maus, Ratte

Hintergrundinformationen

Osteopontin (OPN), also known as SPP1, is a secreted glycoprophosphoprotein that belongs to the small integrin-binding ligand N-linked glycoprotein (SIBLING) family. Originally isolated from bone, OPN has been found in kidney, vascular tissues, biological fluids, and various tumor tissues (PMID: 15138464; 16406521). OPN can interact with CD44 and integrins and regulate diverse biological processes. It has a multifaceted role in bone development and remodeling, and is also involved in the inflammatory and immune response, oncogenesis and cancer progression. The very acidic nature of OPN, as well as the presence of variable posttranslational modifications, has led to anomalous migration in SDS-polyacrylamide gels and therefore to reports of different molecular weights for OPN (PMID: 8293561). Depending on the cell and tissue source and/or the SDS-PAGE system, OPN migrates with a molecular weight of 44-80 kDa, as well as at some smaller bands correspond to peptide fragments (PMID: 8195113; 17890765).

Lagerung

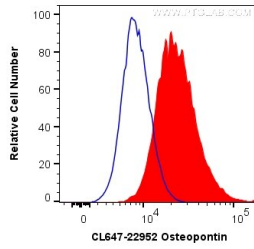
Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.

Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

Ausgewählte Validierungsdaten



1X10⁶ HepG2 cells were intracellularly stained with 0.2 µg CoraLite® Plus 647 Anti-Human Osteopontin (CL647-22952) (red), or 0.2 µg Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).