Human SMURF1 Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 530131

Catalog Number: FAB9507T

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SMURF1 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 530131
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human SMURF1 Met496-Glu757 Accession # Q9HCE7
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Smurf-1 is a 757 amino acids E3 ubiquitin-protein ligase encoded by the SMURF1 gene. Smurf-1 ubiquitinates receptor regulated SMAD proteins acting as a negative regulator of BMP signaling pathway, and it has been shown to inhibit osteoblast differentiation by targeting Runx2, the master regulator of osteoblast differentiation, for degradation.

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