Human FRA-1 Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 496106

Catalog Number: FAB4935R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FRA-1 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human FRA-2 is observed.
Source	Monoclonal Mouse IgG_{2B} Clone # 496106
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human FRA-1 Gly146-Ala247 Accession # P15407
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

FRA-1 (FOSL1) is a 271 amino acid member of the leucine zipper Fos family of transcription factors. Fos family members have been associated with cellular proliferation, differentiation and transformation. In accordance with these findings, overexpression of FRA-1 correlates with a malignant phenotype in breast cancer. In lung epithelia cells, FRA-1 promotes motility, invasion, and anchorage independent growth. FRA-1 knock out mice rescued for the FRA-1 placental defect are viable but show reduced bone formation that may be due to a defect in the osteoblast differentiation. Human FRA-1 and mouse FRA-1 are 94% identical between amino acids 146-247.

PRODUCT SPECIFIC NOTICES

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