ARG22988
anti-PLAP / Placental alkaline phosphatase antibody [H17E2]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [H17E2] recognizes PLAP / Placental alkaline phosphatase
Tested Reactivity	Hu
Tested Application	ELISA, FACS, IHC-Fr
Host	Mouse
Clonality	Monoclonal
Clone	H17E2
Isotype	IgG1
Target Name	PLAP / Placental alkaline phosphatase
Species	Human
Immunogen	Placental membrane.
Conjugation	Un-conjugated
Alternate Names	PALP; PLAP; EC 3.1.3.1; Alkaline phosphatase Regan isozyme; Placental alkaline phosphatase 1; PLAP-1; Alkaline phosphatase, placental type; ALP

Application Instructions

Application table

Application	Dilution
ELISA	Assay-dependent
FACS	10 µg/ml
IHC-Fr	Assay-dependent

Application Note

IHC-Fr: The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Arigo recommends the use of acetone fixation for frozen sections.
FACS: Use 10 µl of the suggested working dilution to label 10^6 cells in 100 µl.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 0.09% Sodium azide
Preservative	0.09% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ALPP
Gene Full Name	alkaline phosphatase, placental
Background	The protein encoded by this gene is an alkaline phosphatase, a metalloenzyme that catalyzes the hydrolysis of phosphoric acid monoesters. It belongs to a multigene family composed of four alkaline phosphatase isoenzymes. The enzyme functions as a homodimer and has a catalytic site containing one magnesium and two zinc ions, which are required for its enzymatic function. The protein is primarily expressed in placental and endometrial tissue; however, strong ectopic expression has been detected in ovarian adenocarcinoma, serous cystadenocarcinoma, and other ovarian cancer cells. [provided by RefSeq, Jan 2015]
Calculated Mw	58 kDa