

Human CYFRA21-1 Antibody Pair Set

Catalog No.	E-KAB-0282	Applications	ELISA
Synonyms	KRT19, CK19, K19, K1CS, keratin 19		

Kit components & Storage

Title	Specifications	Storage
Human CYFRA21-1 Capture Antibody	1 vial, 100 µg	Store at -20℃. Avoid freeze/thaw cycles.
Human CYFRA21-1 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃. Avoid freeze/thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

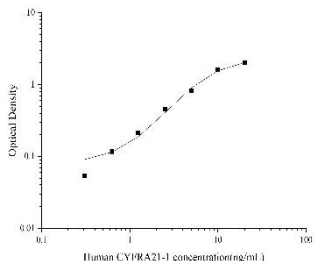
Product Information

Items		Characteristic (E-KAB-0282)	
		Human CYFRA21-1 Capture Antibody	Human CYFRA21-1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human CYFRA21-1 protein	Recombinant Human CYFRA21-1 protein
	Swissprot	P08727	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.4
	Purify	Protein A or G	Protein A or G
Specificity		Detects Human CYFRA21-1 in ELISAs.	

For Research Use Only

Applications

Human CYFRA21-1 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Human CYFRA21-1 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human CYFRA21-1 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells. KRT19, one of type I keratins, is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. Due to its high sensitivity, KRT19 is the most used marker for detection of tumor cells disseminated in lymph nodes, peripheral blood, and bone marrow of breast cancer patients. This antibody, generated against full length KRT19 protein, also recognizes KRT17, another type I keratin homologous to KRT19. KRT17 is used as a marker for trauma.

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