Human FE Antibody Pair Set

Catalog No. E-KAB-0027 **Applications** ELISA
Synonyms FE

Kit components & Storage

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

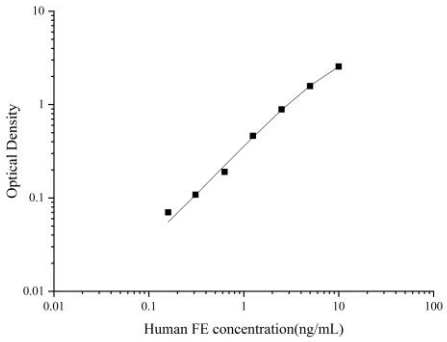
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0027)	
		Human FE Capture Antibody	Human FE Detection Antibody (Biotin)
Immunogen Information	Immunogen	Native Protein	Native Protein
	Swissprot	P02792(FTL)&P02794(FTH)	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human FE in ELISAs.	

Applications

Human FE Sandwich ELISA Assay:

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

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

Background

FTH (Ferritin Heavy Chain 1,also Proliferation-Inducing Protein 15,PIG15,and PLIF) is a 183 aa cytosolic and secreted protein.Human FTH is highly conserved among species and shares 93% and 95% aa identity with mouse and rat FTH,respectively. Stores iron in a soluble,non-toxic,readily available form. Important for iron homeostasis. Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation. Also plays a role in delivery of iron to cells. Mediates iron uptake in capsule cells of the developing kidney.