Human AR Antibody Pair Set

Catalog No. E-KAB-0676 **Applications** ELISA
Synonyms AREG;CRDGF;SDGF

Kit components & Storage

Title	Specifications	Storage
Human AR Capture Antibody	1 vial, 100 μ g	Store at -20℃. Avoid freeze / thaw cycles.
Human AR 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-0676)	
		Human AR Capture Antibody	Human AR Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human AR protein	Recombinant Human AR protein
	Swissprot	P15514	
Product details	Reactivity	Human	Human
	Host	Goat	Goat
	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	Affinity purification	Affinity purification
	Specificity	Detects Human AR in ELISAs.	

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
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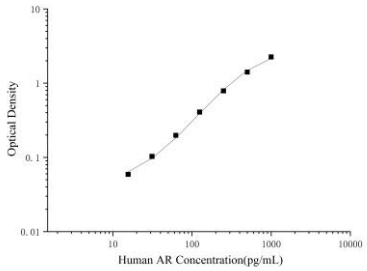
Applications

Human AR Sandwich ELISA Assay

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

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

Background

Amphiregulin was initially identified in the conditioned medium of human mammary gland MCF-7 cells treated with TPA. The mouse gene was cloned from the androgen-dependent SC2G cell line derived from Shionogi mouse mammary carcinoma SC115. It belongs to the EGF family of proteins that includes EGF,TGF-α,heparin-binding EGF like-growth factor (HB-EGF),epigen,epiregulin,and betacellulin. Mouse amphiregulin is derived from a 248 amino acid transmembrane precursor and it has 66% identity to the human protein. All the EGF family members are synthesized as type I membrane protein precursors,which can undergo proteolytic cleavage at the plasma membrane to release a mature soluble ectodomain. ADAM17 (TACE) has an important role in ectodomain shedding of amphiregulin,TNF-α,and HB-EGF.

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