



Human COL7A1 blocking peptide (CDBP0848)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Collagen, type VII antibody
Antigen Description	This gene encodes the alpha chain of type VII collagen. The type VII collagen fibril, composed of three identical alpha collagen chains, is restricted to the basement zone beneath stratified squamous epithelia. It functions as an anchoring fibril between the external epithelia and the underlying stroma. Mutations in this gene are associated with all forms of dystrophic epidermolysis bullosa. In the absence of mutations, however, an acquired form of this disease can result from an autoimmune response made to type VII collagen. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	COL7A1 collagen, type VII, alpha 1 [Homo sapiens (human)]
Official Symbol	COL7A1
Synonyms	COL7A1; collagen, type VII, alpha 1; EBD1; EBR1; EBDCT; collagen alpha-1(VII) chain; LC

collagen; long-chain collagen; collagen VII, alpha-1 polypeptide;

Entrez Gene ID	1294
mRNA Refseq	NM_000094.3
Protein Refseq	NP_000085.1
UniProt ID	Q02388
Chromosome Location	3p21.1
Pathway	Anchoring fibril formation, organism-specific biosystem; Assembly of collagen fibrils and other multimeric structures, organism-specific biosystem; Collagen biosynthesis and modifying enzymes, organism-specific biosystem; Collagen formation, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem;
Function	identical protein binding; protein binding; serine-type endopeptidase inhibitor activity;