

New Product

ELISA Kit for Autoantibodies

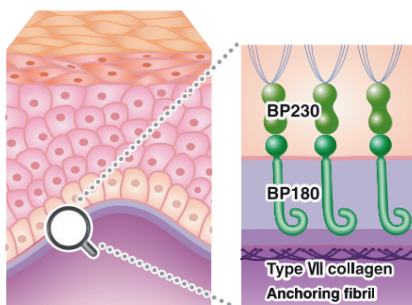
MESACUP™ Type VII Collagen TEST

Diagnosis & Monitoring of EBA

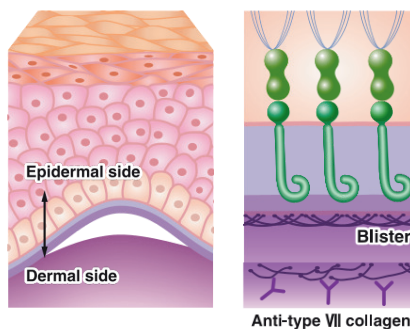
Epidermolysis Bullosa Aquisita (EBA) and Anti-type VII Collagen Antibody

- EBA, an autoimmune blistering disease (AIBD), characterized with Anti-type VII collagen IgG, causes blisters on skin and mucosal membrane.
- Anti-type VII collagen IgG is associated with dysfunction of anchoring fibrils which stabilize the dermal-epidermal adherence.
- Anti-type VII collagen IgG mainly reacts with non-collagen domain 1 (NC1) of collagen VII, NC2 is also considered to contain minor epitope.

Normal Skin Structure



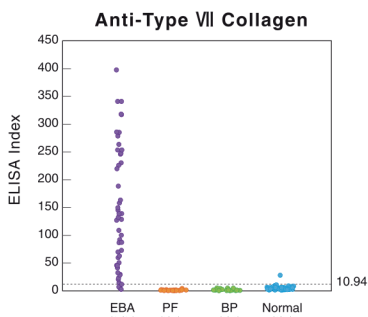
EBA Patient's Skin Structure



MESACUP™ Type VII Collagen TEST

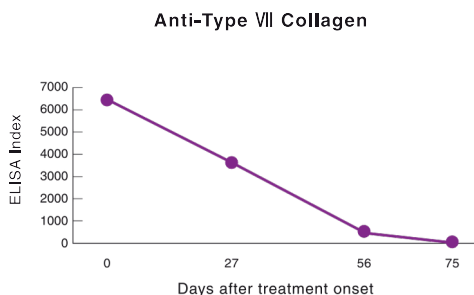
- Ready-to-use all-in-one ELISA kit
- The kit employs recombinant NC1 and NC2 antigens of type VII collagen for higher sensitivity [1].
- The kit showed 97.9% sensitivity and 99.3% specificity, and its titer correlated with disease activity of EBA [2].

Anti-type VII Collagen IgG Levels in AIBD Patients and Healthy Individuals



PV: pemphigus vulgaris BP: bullous pemphigoid
Data courtesy of Dr Ken Ishii, Keio University School of Medicine

Anti-type VII Collagen IgG Titers in the EBA Disease Course



Autoimmune Blistering Disease IVD Products

Code	Product	Size	Method	RUO / IVD / CE-IVD
NEW 7846E	MESACUP™ Type VII Collagen TEST	48 wells	ELISA	CE ₂₇₉₇ IVD
7881E	MESACUP™-2 TEST Desmoglein 1	48 wells	ELISA	CE ₂₇₉₇ IVD
7886E	MESACUP™-2 TEST Desmoglein 3	48 wells	ELISA	CE ₂₇₉₇ IVD
7697E	MESACUP™ BP180 TEST	48 wells	ELISA	CE ₂₇₉₇ IVD
7614E	MESACUP™ BP230 TEST	48 wells	ELISA	CE ₂₇₉₇ IVD

References

- 1) Saleh MA, Ishii K, Kim YJ, Murakami A, Ishii N, Hashimoto T, *et al.* Development of NC1 and NC2 domains of type VII collagen ELISA for the diagnosis and analysis of the time course of epidermolysis bullosa acquisita patients. *J Dermatol Sci.* 2011;62(3):169-75.
- 2) Schmidt T, Hoch M, Lotfi Jad SS, Solimani F, Di Zenzo G, Marzano AV, *et al.* Serological diagnostics in the detection of IgG autoantibodies against human collagen VII in epidermolysis bullosa acquisita: a multicentre analysis. *Br J Dermatol.* 2017;177(6):1683-92.

This product is intended for *in vitro* diagnostic use only. Classification of this product may differ from the status of approval in each country. Please read the data sheet carefully before use. The information is as of October 2025. Please contact us for the latest information.

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