Mouse Kallikrein 5 Alexa Fluor® 532-conjugated Antibody

Monoclonal Rat IgG_{2B} Clone # 880036

Catalog Number: FAB7236X

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Kallikrein 5 in ELISA.
Source	Monoclonal Rat IgG_{2B} Clone # 880036
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Kallikrein 5 23-293
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Tissue Kallikrein 5 (KLK5) is a secreted serine protease with trypsin-like substrate specificity. KLK5 is highly expressed in the skin, and is also known as stratum corneum tryptic enzyme due to its high expression level in this tissue. KLK5 is thought to play an important role in the process of desquamation (1). KLK5 is a potential biomarker for ovarian and breast cancers (2). It may also be a physiological activator of KLK7 in the stratum corneum (3). Recombinant mouse KLK5 is purified as the proform, and can undergo autoactivation under the appropriate conditions. KLK5 enzymatic activity can be inhibited by the following recombinant human serpins: Serpin-A1, -A5, -F2, and -G1 (Catalog # 1268-PI, 1266-PI, 1470-PI, and 2488-PI).

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