

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Tryptase ϵ /BSSP-4 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse Tryptase ϵ /BSSP-4 is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 725445
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Tryptase ϵ /BSSP-4 Ala33-Ser317 Accession # Q9GZN4
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

Tryptase ϵ , also known as brain-specific protease-4 (BSSP-4) and prosermin, is expressed in the brain and epithelium-rich tissues such as the lung and eye (1, 2). BSSP-4 is a serine protease related to trypsin, preferentially hydrolyzing substrates after arginine and lysine residues. However, Tryptase ϵ is less susceptible to inhibition by common trypsin inhibitors such as aprotinin, α 1-antitrypsin and secretory leukocyte protease inhibitor (3). Tryptase ϵ efficiently converts pro-urokinase-type plasminogen activator to its mature, active form (3).

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