

DESCRIPTION

Species Reactivity	Human
Specificity	Detects TSG101 in direct ELISA.
Source	Monoclonal Mouse IgG _{2A} Clone # 1065908
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	TSG101 containing synthetic peptide Accession # Q99816
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

Immunocytochemistry 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

TSG101 is an essential member of the ESCRT-1 complex which regulates the sorting of ubiquitinated proteins to endosomes, facilitating vesicular trafficking and is implicated in normal development. It is also involved in regulating transcription, protein sorting, biogenesis of multi-vesicular bodies, and viral budding. Dysregulation of ESCRT proteins occurs in the development of various human diseases, including many types of cancers and neurodegenerative diseases. TSG101 is an established cancer-associated gene and truncated aberrantly spliced mRNAs have been reported in various types of cancer. TSG101 is also commonly used as a marker protein for exosomes.

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