

DESCRIPTION

Species Reactivity	Human
Specificity	Detects a synthetic peptide specific for human TOMM20 containing amino acid 55 in Direct ELISA.
Source	Monoclonal Mouse IgG _{2B} Clone # 1074702
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	TOMM20 containing synthetic peptide Accession # Q15388
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.
Immunocytochemistry	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

TOMM20 (Translocase of Outer Mitochondrial Membrane 20) is a receptor and key unit of the TOM complex. The TOM complex translocates proteins produced from nuclear DNA through the mitochondrial membrane for use in oxidative phosphorylation. TOMM20 is a conserved outer membrane protein and depletion of TOMM20 produces a large number of dysfunctional mitochondria with the loss of membrane potential. Increased TOMM20 expression has been associated with malignancy of various cancers and contributes to tumorigenesis.

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