Human Tryptophan Hydroxylase 1/TPH-1 Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 508417

Catalog Number: FAB5276G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Tryptophan Hydroxylase 1/TPH-1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_1 Clone # 508417
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*S. frugiperda* insect ovarian cell line *Sf* 21-derived recombinant human Tryptophan Hydroxylase 1/TPH-1 Met102-Pro403 Accession # P17752
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.*

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

Tryptophan Hydroxylase-1 (TPH-1) is a member of the pterin-dependent aromatic acid hydroxylase family. It catalyzes the first and rate limiting step in the biosynthesis of serotonin, an important hormone and neurotransmitter. The amino acid sequence of human TPH-1 is 96%, 90%, and 87% identical to that of cow, mouse, and chicken.

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