

For Research Use Only

ECSIT Recombinant antibody, PBS Only (Detector)

Catalog Number: 83295-1-PBS



Basic Information

Catalog Number: 83295-1-PBS	GenBank Accession Number: BC008279	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 51295	CloneNo.: 240223A7
Source: Rabbit	UNIPROT ID: Q9BQ95	
Isotype: IgG	Full Name: ECSIT homolog (Drosophila)	
Immunogen Catalog Number: AG26898	Calculated MW: 49 kDa	
	Observed MW: 49 kDa	

Applications

Tested Applications:
WB, IHC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

83295-1-PBS targets ECSIT as part of a matched antibody pair:

MP00315-1: 83295-4-PBS capture and 83295-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

ECSIT is a cytosolic adaptor protein associated with the toll-like receptor pathway. It has a distinct N-terminal mitochondrial targeting sequence, pentatricopeptide repeat motif, and a C-terminal pleckstrin homology domain. ECSIT regulates many biological processes like embryonic development, inflammation, cardiac function, and assembly of mitochondrial complex I. In macrophages, the activation of TLRs by inflammatory signals promotes the translocation of TRAF6 to mitochondria where it engages ECSIT to stimulate the production of mitochondrial reactive oxygen species (ROS).

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

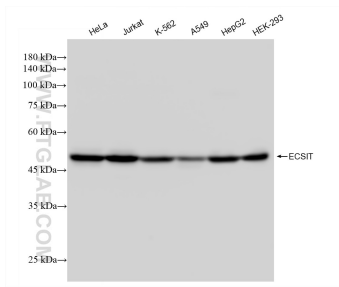
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

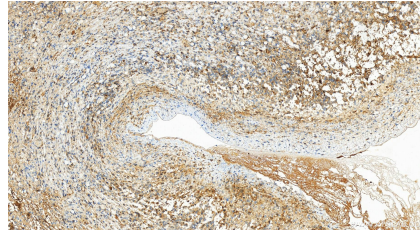
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

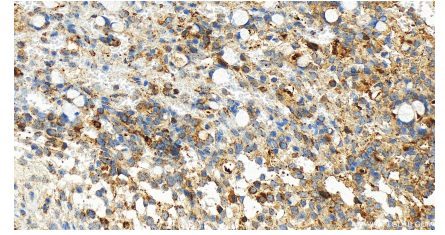
Selected Validation Data



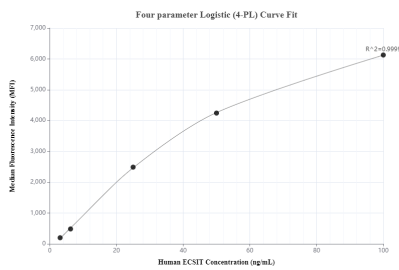
Various lysates were subjected to SDS PAGE followed by western blot with 83295-1-RR (ECSIT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83295-1-PBS in a different storage buffer formulation.



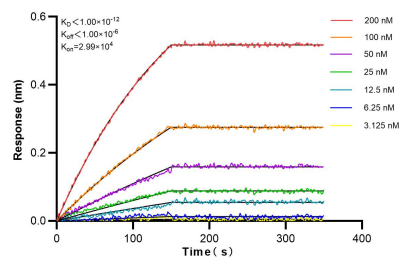
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 83295-1-RR (ECSIT antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83295-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 83295-1-RR (ECSIT antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83295-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00315-1, ECSIT Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83295-4-PBS. Detection antibody: 83295-1-PBS. Standard: Ag26898. Range: 3.13-100 ng/mL



Biolayer interferometry (BLI) kinetic assays of 83295-1-RR against Human ECSIT were performed. The affinity constant is below 1 pM.