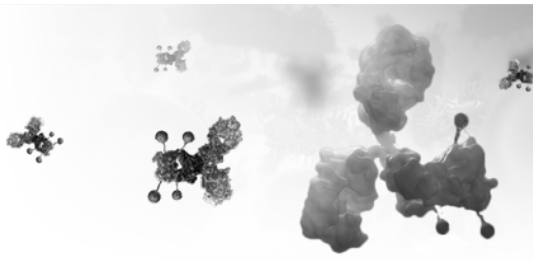

Human ITCH blocking peptide (DAG-P1663)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the Nedd4 family of HECT domain E3 ubiquitin ligases. HECT domain E3 ubiquitin ligases transfer ubiquitin from E2 ubiquitin-conjugating enzymes to protein substrates, thus targeting specific proteins for lysosomal degradation. The encoded protein plays a role in multiple cellular processes including erythroid and lymphoid cell differentiation and the regulation of immune responses. Mutations in this gene are a cause of syndromic multisystem autoimmune disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012]
Specificity	Widely expressed.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Contains 1 C2 domain.Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain.Contains 4 WW domains.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	ITCH itchy E3 ubiquitin protein ligase [Homo sapiens (human)]
Official Symbol	ITCH
Synonyms	ITCH; itchy E3 ubiquitin protein ligase; AIF4; AIP4; NAPP1; dJ468O1.1; E3 ubiquitin-protein

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	ligase Itchy homolog; NFE2-associated polypeptide 1; atrophin-1 interacting protein 4; itchy E3 ubiquitin protein ligase homolog; dJ468O1.1 (atrophin 1 interacting protein 4 (AIP4));
Entrez Gene ID	83737
mRNA Refseq	NM_001257137.1
Protein Refseq	NP_001244066.1
UniProt ID	Q96J02
Chromosome Location	20q11.22
Pathway	Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Class I MHC mediated antigen processing and presentation, organism-specific biosystem; Delta-Notch Signaling Pathway,
Function	CXCR chemokine receptor binding; protein binding; ribonucleoprotein complex binding; ubiquitin-protein ligase activity; ubiquitin-protein ligase activity; ubiquitin-protein ligase activity;

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