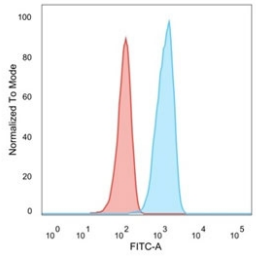
TCF25 Antibody / Transcription Factor Protein Antibody [clone PCRP-TCF25-1A11] (V9210)

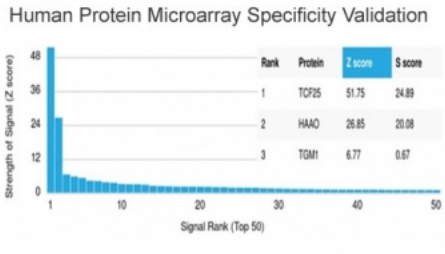
Catalog No.	Formulation	Size
V9210-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9210-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9210SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

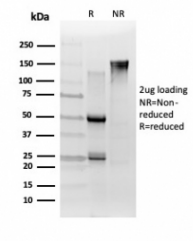
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	PCRP-TCF25-1A11
Purity	Protein A/G affinity
UniProt	Q9BQ70
Localization	Nucleus, Cytoplasm
Applications	Flow Cytometry : 1-2ug/million cells Western Blot : 1-2ug/ml
Limitations	This TCF25 Antibody / Transcription Factor Protein Antibody is available for research use only.



TCF25 Antibody HeLa FACS. Flow cytometry analysis of PFA-fixed human HeLa cells stained with TCF25 Antibody / Transcription Factor Protein Antibody (blue, clone PCRP-TCF25-1A11). Unstained cells are shown in red. The distinct fluorescence shift supports detection of endogenous TCF25/Transcription factor 25 expression in HeLa cells, consistent with the broad cellular distribution reported for this transcription-associated regulatory protein and member of the basic helix-loop-helix protein family.



TCF25 Antibody HuProt Microarray Specificity Validation. Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using TCF25 Antibody / Transcription Factor Protein Antibody clone PCRP-TCF25-1A11 demonstrates highly selective recognition of TCF25/Transcription factor 25. The intended TCF25 target ranks first among all proteins analyzed on the array, with strong separation from secondary signals, supporting the specificity profile of this mouse monoclonal antibody for transcription factor and gene regulation research applications. Z-score represents signal intensity above background in standard deviation units, while S-score reflects the relative specificity of antibody binding compared with other proteins present on the HuProt(TM) platform.



SDS-PAGE analysis of purified, BSA-free TCF25 antibody (clone PCRP-TCF25-1A11) as confirmation of integrity and purity.

Description

Transcription factor 25 (TCF25) is a regulatory protein associated with transcriptional control, developmental signaling, and gene expression pathways. TCF25 Antibody / Transcription Factor Protein Antibody is suitable for investigations involving transcription-associated regulatory proteins, developmental gene expression networks, and nuclear signaling pathways. TCF25 belongs to the basic helix-loop-helix (bHLH) family of transcription-associated proteins, a group involved in coordinating differentiation programs, cellular identity, and transcriptional responses to signaling stimuli.

TCF25 antibody, also referred to as Transcription factor 25 antibody, basic helix-loop-helix transcription factor antibody, and NULP1 antibody in the literature, recognizes a protein implicated in regulation of transcriptional programs controlling cell fate determination and developmental processes. Members of the bHLH protein family frequently participate in DNA-associated regulatory complexes that influence cellular proliferation, lineage commitment, and tissue patterning. TCF25 has been linked to transcriptional regulatory mechanisms that help coordinate developmental signaling with downstream gene expression responses.

Although the complete biological functions of TCF25 remain under active investigation, available studies suggest involvement in pathways associated with embryonic development, differentiation, and transcriptional regulation. TCF25 expression has been reported in multiple tissue types and cellular systems, supporting the concept that this protein functions as part of broader gene regulatory networks rather than highly restricted lineage-specific pathways. Proteins within the bHLH family commonly participate in combinatorial transcriptional regulation, allowing integration of signaling-dependent transcriptional responses across diverse biological contexts.

Transcription-associated proteins such as TCF25 are important for maintaining coordinated gene expression programs during development and cellular adaptation. Dysregulation of transcriptional regulatory pathways can contribute to altered proliferation, differentiation abnormalities, and disease-associated signaling changes. Because TCF25 belongs to a family of proteins involved in transcriptional modulation and developmental signaling, this target may be relevant for studies examining nuclear regulatory complexes, differentiation-associated transcriptional programs, and adaptive cellular responses.

Flow cytometry analysis of human HeLa cells demonstrates detectable endogenous TCF25 expression in cultured epithelial cells. In addition, HuProt(TM) protein microarray specificity validation with clone PCRP-TCF25-1A11 supports selective target recognition among more than 19,000 full-length human proteins. The combined flow cytometry and microarray validation profile supports use of this mouse monoclonal antibody for research applications involving

transcription factor proteins, developmental regulatory pathways, and transcription-associated signaling mechanisms.

An antibody targeting TCF25 can therefore support studies involving transcriptional regulation, gene expression control, developmental signaling pathways, and nuclear regulatory protein complexes. The broad regulatory role of TCF25 within transcription-associated networks also makes this target relevant for investigations into cellular differentiation, signaling integration, and adaptive gene expression responses.

SNW1 is involved in TGF-beta, Notch, and transcriptional signaling networks; additional pathway-associated antibodies are available on our Signal Transduction Antibodies landing page.

Application Notes

Optimal dilution of the TCF25 Antibody / Transcription Factor Protein Antibody should be determined by the researcher.

Immunogen

Recombinant full-length human Transcription factor 25 protein was used as the immunogen for the TCF25 antibody.

Storage

Aliquot the TCF25 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

TCF25 antibody, Transcription factor 25 antibody, Basic helix-loop-helix transcription factor TCF25 antibody, bHLH transcription factor antibody, NULP1 antibody

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