

# Anti-Human TSC22D4, monoclonal

**Alternate Names:** TSC22 domain family protein 4

**Cat. No.** 13-030

FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



## PRODUCT DESCRIPTION

### UniProt Summary

#### UniProt

Primary Accession # [Q9Y3Q8](#)

Transcriptional repressor. Forms a homodimer or heterodimer. Can form a heterodimer with TSC22D1. O95831:AIFM1; NbExp=2; IntAct=EBI-739485, EBI-356440; Q14145:KEAP1; NbExp=3; IntAct=EBI-739485, EBI-751001; Q15365:PCBP1; NbExp=2; IntAct=EBI-739485, EBI-946095; P84022:SMAD3; NbExp=2; IntAct=EBI-739485, EBI-347161; O75800:ZMYND10; NbExp=2; IntAct=EBI-739485, EBI-747061; Nucleus (Potential). Belongs to the TSC-22/Dip/Bun family.

### Physical Characteristics

**Quantity:** 1 ml (culture supernatant) or 100ug at 1mg/ml (purified)

**Format:** culture supernatant or purified material

**Host/Isotype:** mouse IgG2a

**Clonality:** monoclonal; ID R154.1.2B11

**Formulation:** culture supernatant contains 0.02% NaN<sub>3</sub>. Purified material contains 30% glycerol, PBS and 0.02% NaN<sub>3</sub>

**Specificity:** monospecific for human TSC22D4 ; see "Microarray Analysis" below

**Reactivity:** human; not tested for cross reactivity in other species

**Stability/Storage:** 12 months long term: -20°C; short term: 4°C; avoid freeze-thaw cycles; aliquot as required

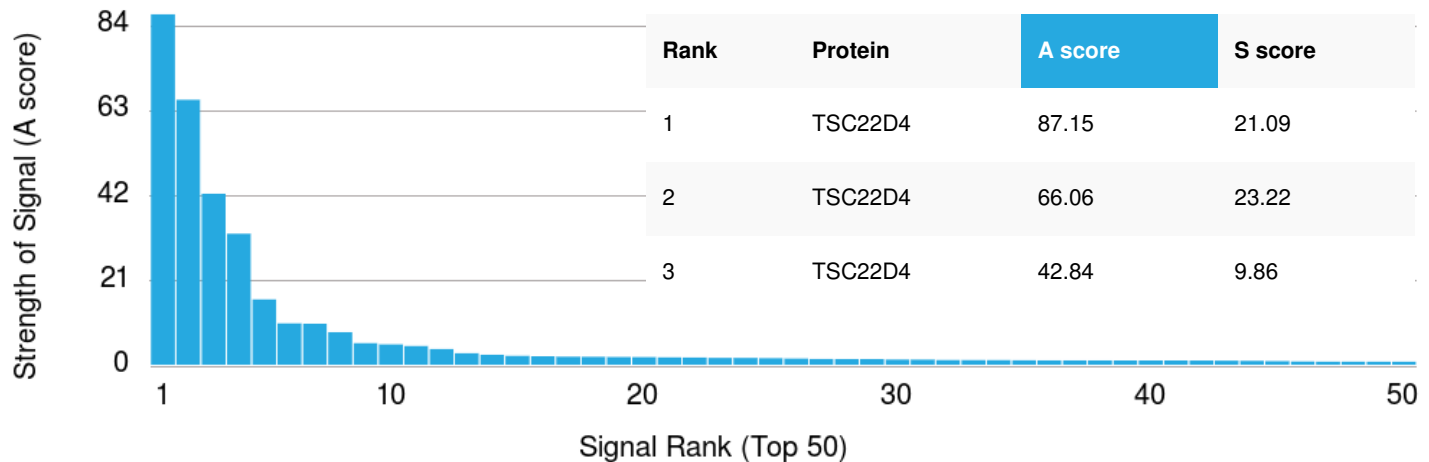
**Handling Notes:** small volumes of antibody may occasionally become entrapped in the seal of the product vial during shipment and storage; briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container cap

### Tested Research Applications

- Western Immunoblotting

Antibody tested as purified IgG. Optimal dilution to be determined by user.

### Quality Assurance (HuProt Array)



**About A and S Scores:** The A-score represents the strength of a signal that a mAb (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt array. A-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. To be considered a definite binding event between a mAb and a protein target, the A-score must have a value of at least 2.5 (SDs above the mean). The S-score represents the relative target specificity of a mAb, and is the difference (also in units of SDs) between the A score a mAb generates upon binding to one protein and the next highest A-score that the mAb generates against another protein. For example, if a mAb binds to protein X with an A-score of 43 and to protein Y with an A-score of 14, then the S-score for the binding of that mAb to protein X is equal to 29.

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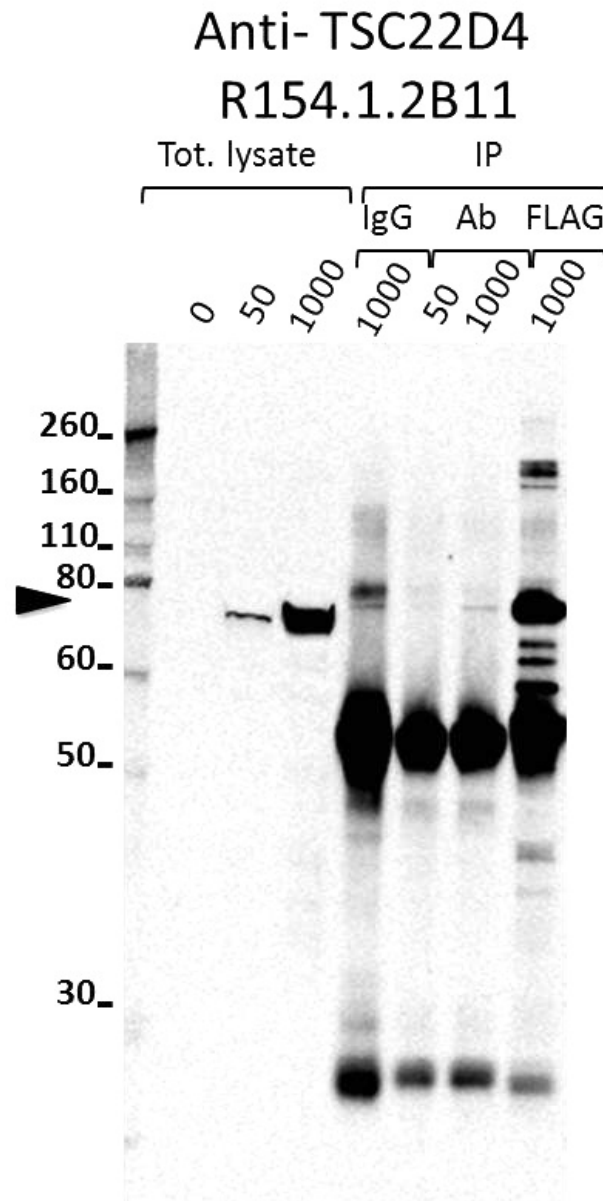
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## PRODUCT DESCRIPTION

### Quality Assurance (continued)

### WESTERN BLOT - Predicted MW 82.26kDa



Tet-ON HeLa cells were transfected with construct encoding TSC22D4 (Q9Y3Q8) with an N-terminal fusion of FLAG, YFP (Venus) and V5 tags. under a tet-inducible promoter. These cells were stimulated with 0, 50 or 1000 ng/ml doxycycline. Immunoprecipitation (IP) was carried out using 5µg of either IgG, CDI mAb Anti-TSC22D4 (cloneID# R154.1.2B11 ) or 1 µg of FLAG-M2 (Sigma). Immunoblotting was performed using 0.2µg/ml CDI mouse mAb Anti-TSC22D4 (cloneID# R154.1.2B11).