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# Anti-FZD5 Reference Antibody (U.Toronto patent anti-FZD5)

Catalog # APR11403

## Product Information

| | |
|---|---|
| **Application** | Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA |
| **Primary Accession** | Q13467 |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1-EM |
| **Calculated MW** | 64507 |

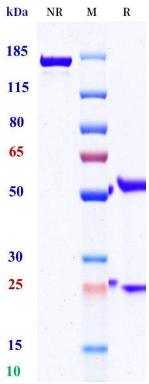
## Additional Information

| | |
|---|---|
| **Target/Specificity** | FZD5 |
| **Expression system** | CHO |

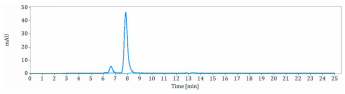
## Protein Information

| | |
|---|---|
| **Name** | FZD5 |
| **Synonyms** | C2orf31 |
| **Function** | Receptor for Wnt proteins (PubMed: 10097073, PubMed:20530549, PubMed:26908622, PubMed:9054360). Functions in the canonical Wnt/beta-catenin signaling pathway. In vitro activates WNT2, WNT10B, WNT5A, but not WNT2B or WNT4 signaling (By similarity). In neurons, activation by WNT7A promotes formation of synapses (PubMed:20530549). May be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues (Probable). Plays a role in yolk sac angiogenesis and in placental vascularization (By similarity). Plays a role in ocular development (PubMed:26908622). |
| **Cellular Location** | Cell membrane; Multi-pass membrane protein {ECO:0000250\|UniProtKB:Q8CHL0}. Golgi apparatus membrane {ECO:0000250\|UniProtKB:Q9EQD0}; Multi-pass membrane protein {ECO:0000250\|UniProtKB:Q9EQD0}. Synapse {ECO:0000250\|UniProtKB:Q8CHL0}. Perikaryon {ECO:0000250\|UniProtKB:Q8CHL0}. Cell projection, dendrite {ECO:0000250\|UniProtKB:Q8CHL0}. Cell projection, axon {ECO:0000250\|UniProtKB:Q8CHL0}. Note=Localized at the plasma membrane and also found at the Golgi apparatus. {ECO:0000250\|UniProtKB:Q9EQD0} |

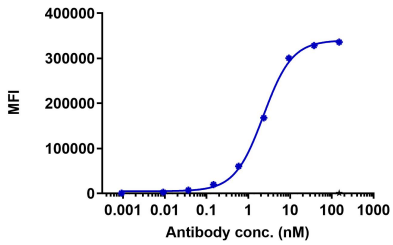
## Images




Anti-FZD5 Reference Antibody (U.Toronto patent anti-FZD5) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-FZD5 Reference Antibody (U.Toronto patent anti-FZD5) is 98.6%, determined by SEC-HPLC.




HuFZD5-FL-His-EGFP-HEK293-A11 cell line were stained with U.Toronto patent anti-FZD5 and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 2.296 nM.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.