

## Product datasheet for **TA503713S**

### **DAND5 Mouse Monoclonal Antibody [Clone ID: OTI3A3]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OTI3A3
Applications:	FC, IF
Recommended Dilution:	IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 23-189 of human DAND5(NP_689867) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	18 kDa
Gene Name:	DAN domain BMP antagonist family member 5
Database Link:	<a href="#">NP_689867</a> <a href="#">Entrez Gene 199699 Human</a> <a href="#">Q8N907</a>



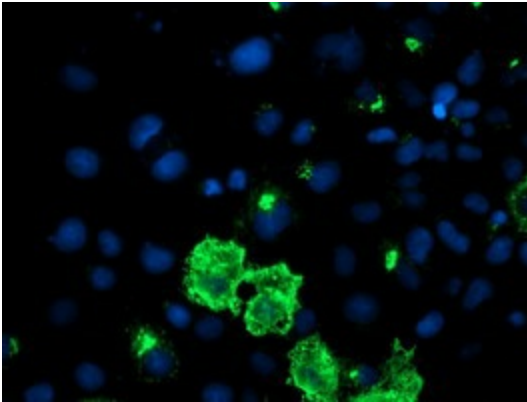
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**Background:**

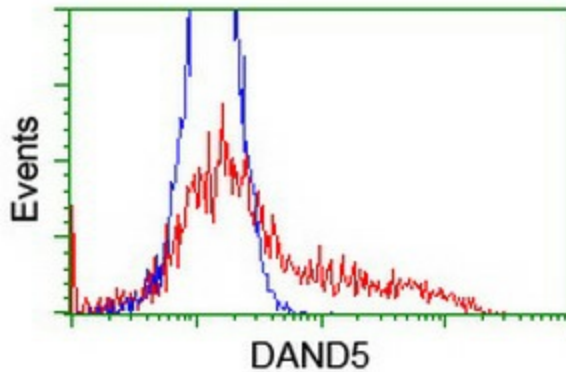
This gene encodes a member of the BMP (bone morphogenic protein) antagonist family. Like BMPs, BMP antagonists contain cystine knots and typically form homo- and heterodimers. The CAN (cerberus and dan) subfamily of BMP antagonists, to which this gene belongs, is characterized by a C-terminal cystine knot with an eight-membered ring. The antagonistic effect of the secreted protein encoded by this gene is likely due to its direct binding to BMP proteins. As an antagonist of BMP, this gene may play a role in regulating organogenesis, body patterning, and tissue differentiation. In mouse, this protein has been shown to bind Nodal and to inhibit the Nodal signaling pathway which patterns left/right body asymmetry. [provided by RefSeq]

**Synonyms:**

CER2; CERL2; CKTSF1B3; COCO; CRL2; DANTE; GREM3; SP1

**Product images:**

Anti-DAND5 mouse monoclonal antibody ([TA503713]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY DAND5 ([RC221703]).



HEK293T cells transfected with either [RC221703] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-DAND5 antibody ([TA503713]), and then analyzed by flow cytometry.