

## Product datasheet for **AM50052PU-S**

### **NBL1 Mouse Monoclonal Antibody [Clone ID: AT38G8]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	AT38G8
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	<b>ELISA.</b> <b>Flow Cytometry.</b> <b>Immunocytochemistry/Immunofluorescence.</b> <b>Western blot / Immunoblot.</b> The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human NBL1 (18-181aa) purified from E. coli
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	neuroblastoma 1, DAN family BMP antagonist
Database Link:	<a href="#">Entrez Gene 4681 Human P41271</a>



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**Background:**

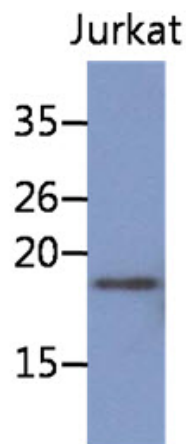
NBL1 is the founding member of the evolutionarily conserved CAN (Cerberus and DAN) family of proteins, which contain a domain resembling the CTCK (C-terminal cystine knot-like) motif found in a number of signaling molecules. These proteins are secreted, and act as BMP (bone morphogenetic protein) antagonists by binding to BMPs and preventing them from interacting with their receptors. They may thus play an important role during growth and development and alternatively spliced transcript variants have been identified for this gene. Also, as a tumor suppressor gene of neuroblastoma may play an important role in preventing cells from entering the final stage (G1/S) of the transformation process. Read-through transcripts between this locus and the upstream mitochondrial inner membrane organizing system 1 have been observed.

**Synonyms:**

DAN, DAND1

**Protein Families:**

Secreted Protein

**Product images:**

The cell lysate of Jurkat (30ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NBL1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.