

## Product datasheet for **CF507267**

### Munc 13 4 (UNC13D) Mouse Monoclonal Antibody [Clone ID: OTI1F4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1F4
Applications:	WB
Recommended Dilution:	WB 1:200~1000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human UNC13D(NP_954712) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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:	123.1 kDa
Gene Name:	unc-13 homolog D
Database Link:	<a href="#">NP_954712</a> <a href="#">Entrez Gene 70450 Mouse</a> <a href="#">Entrez Gene 192177 Rat</a> <a href="#">Entrez Gene 201294 Human</a> <a href="#">Q70J99</a>



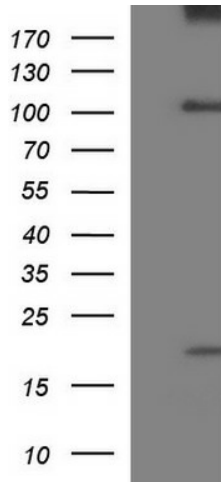
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**Background:**

This gene encodes a protein that is a member of the UNC13 family, containing similar domain structure as other family members but lacking an N-terminal phorbol ester-binding C1 domain present in other Munc13 proteins. The protein appears to play a role in vesicle maturation during exocytosis and is involved in regulation of cytolytic granules secretion. Mutations in this gene are associated with familial hemophagocytic lymphohistiocytosis type 3, a genetically heterogeneous, rare autosomal recessive disorder. [provided by RefSeq, Jul 2008]

**Synonyms:**

FHL3; HLH3; HPLH3; Munc13-4

**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY UNC13D (Cat# [RC209141], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-UNC13D (Cat# [TA507267]). Positive lysates [LY403710] (100ug) and [LC403710] (20ug) can be purchased separately from OriGene.