

Product datasheet for **TA389007**

EWSR1 Mouse Monoclonal Antibody [Clone ID: 5H7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5H7
Applications:	ICC, IHC, WB
Recommended Dilution:	WB: 1:1000 ICC: 1:1000
Reactivity:	Canine, Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length recombinant human EWS expressed in and purified from E. coli.
Specificity:	Specific for endogenous levels of the ~85 kDa EWS protein.
Formulation:	PBS + 50% glycerol and 5 mm Na ₃
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	85
Gene Name:	EWS RNA binding protein 1
Database Link:	Entrez Gene 2130 Human Q01844



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- Background:** The Ewing Sarcoma Breakpoint Region 1 (EWSR1) gene encodes the EWS protein, which along with FUS and TAF15 comprises the FET family of RNA-binding proteins. EWS is primarily expressed in the nucleus, but has also been found in the cytoplasm of secretory cell types (Andersson et al., 2008). Defects of EWSR1 are known to cause Ewing sarcoma and have been implicated in amyotrophic lateral sclerosis (ALS) (Svetoni et al., 2016). Recently, EWS has been shown to directly interact with oncogenic ETS transcription factors in the promotion of prostate cancer (Kedage et al., 2016).
- Synonyms:** bK984G1.4; EWS
- Note:** Protein G purified from culture supernatant.