

## Product datasheet for **AM00060PU-N**

### FER (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 6B9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	6B9
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA: 0.1 µg/ml.</b> <b>Immunoblotting:</b> 1 µg/ml for HRPO/ECL detection. <i>Recommended blocking buffer:</i> Casein/Tween 20 based blocking and blot incubation buffer. <i>Included Positive Control:</i> Cell lysate from untreated T47D cells (See Protocol below).
Reactivity:	Canine, Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide conjugated to KLH.
Specificity:	This antibody specifically recognizes fer at 90 kDa.
Formulation:	1ml 2xPBS containing 0.09% Sodium Azide, PEG and Sucrose State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with 1 ml H <sub>2</sub> O (15 min, RT)
Purification:	Subsequent Ultrafiltration and Size Exclusion Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized (preferably in a desiccator) at -20°C and reconstituted (aliquote and freeze in liquid nitrogen) at -80°C. Avoid repeated freezing and thawing. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.
Stability:	Shelf life: one year from despatch
Gene Name:	FER tyrosine kinase
Database Link:	<a href="#">Entrez Gene 2241 Human P16591</a>



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**Background:** Fer is a non-receptor tyrosine kinase that is widely expressed in different tissues and cell lines. Fer is a homologue of the FES tyrosine kinase that is primarily expressed in cells of hematopoietic origin.

**Synonyms:** c-FER, p94-FER, Tyrosine kinase 3

**Note:** Protocol: **Positive Control:** Cell lysate from untreated T47D cells.

**Format:** Lyophilized cell lysate from serum starved T47D cells.

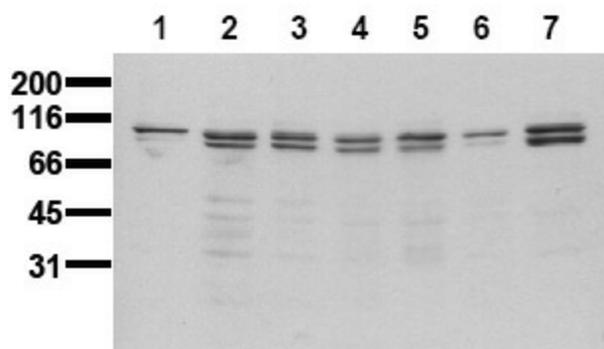
**Reconstitution:** Restore by addition of 200  $\mu$ l H<sub>2</sub>O. After complete solubilization add 200  $\mu$ l 2x SDS-PAGE sample buffer, mix and incubate at 90°C for 5 min.

**Application:** The positive control cell lysate is recommended for immunoblot applications. 20  $\mu$ l of positive control cell lysate correspond to ca. 20,000 cells. Use 20  $\mu$ l/lane (mini gel) for HRPO/ECL detection of the target proteins.

**Please NOTE:** The lyophilized cell lysates contain SDS and are not recommended for applications with native proteins such as in immunoprecipitation.

**Storage:** Aliquote reconstituted product and store frozen. Avoid repeated freezing and thawing.

### Product images:



Detection of endogenous fer: Whole cell extracts of pervanadate (VH) treated tumor cells (20,000 cells per lane) were applied to SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with mab fer-6B9 (0.5  $\mu$ g/ml) for 1h at RT and developed by ECL (exp. time: 30 sec). VH treatment: 15 min. Lane 1: A431; Lane 2: SW480; lane 3: SW620; lane 4: HT29; lane 5: MCF-7; lane 6: MDA-MB231; lane 7: T47D