

## Product datasheet for **TA320414**

### **LRRC36 Mouse Monoclonal Antibody [Clone ID: 4F3-3C8-2B7]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	4F3-3C8-2B7
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	leucine rich repeat containing 36
Database Link:	<a href="#">NP_060766</a> <a href="#">Entrez Gene 55282 Human</a> <a href="#">Q1X8D7</a>

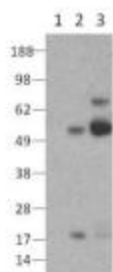
**Background:** The 4F3-3G8-2B7 monoclonal antibody reacts with the DNA binding domain of human and mouse ROR $\gamma$  protein. ROR $\gamma$  is a member of the retinoic acid-related orphan receptor (ROR) family, which also includes ROR $\alpha$  and ROR $\beta$ . ROR family proteins are ligand-dependent transcription factors that play roles in multiple physiological processes. ROR $\gamma$  is expressed in several tissues, including liver, lung, muscle, heart and kidney. Furthermore, it was discovered that alternative transcription results in the expression of an isoform, ROR $\gamma$ t, that is expressed exclusively in cells of the lymphoid compartment, namely CD4+CD8+ thymocytes, Th17 cells of the periphery and lymphoid tissue inducer (Lti) cells of lymphoid organs. The ROR $\gamma$ t isoform differs from ROR $\gamma$  by three unique amino acids at the amino terminus. Therefore, the 4F3-3G8-2 antibody will react with both the ROR $\gamma$  and ROR $\gamma$ t isoforms. In addition our data suggests that 4F3-3C8-2B7 has greater sensitivity to human ROR $\gamma$  than to mouse ROR $\gamma$ . For detection of mouse ROR $\gamma$ , please use cat. 14-6981.



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Synonyms: RORBP70; XLHSRF2

### Product images:



Lysates prepared from 293 cells (lane 1) and 293 cells transfected with mouse ROR gamma cDNA (lane 2) or human ROR gamma cDNA (lane 3) under reducing conditions with DTT were resolved by SDS-PAGE then immunoblotted with 4 ug/ml of Anti-Human ROR gamma Purified. Bands were visualized using Anti-Mouse IgG HRP.