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# Immunotag™ Ubiquitin mouse Monoclonal Antibody(6G6)

## Antibody Specification

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| Catalog No. | ITM3647 |
| Product Description | Immunotag™ Ubiquitin mouse Monoclonal Antibody(6G6) |
| Size | 50 µg, 100 µg |
| Conjugation | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647 |
| IMPORTANT NOTE | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return. |
| Target Protein | Ubiquitin (6G6) |
| Clonality | Monoclonal |
| Storage/Stability | -20°C/1 year |
| Application | WB,IHC-p |
| Recommended Dilution | WB: 1:1000-2000, IHC: 1:100-200 |
| Concentration | 1 mg/ml |
| Reactive Species | Human,Rat,Mouse |
| Host Species | Mouse |
| Immunogen | Synthetic Peptide of Ubiquitin |
| Specificity | Ubiquitin protein detects endogenous levels of Ubiquitin |
| Purification | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen |
| Form | Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide |
| Gene Name | UBB |
| Accession No. | PAN |

## Antibody Specification

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| Description | UBB (ubiquitin B) encodes ubiquitin, one of the most conserved proteins known. Ubiquitin has a major role in targeting cellular proteins for degradation by the 26S proteosome. It is also involved in the maintenance of chromatin structure, the regulation of gene expression, and the stress response. Ubiquitin is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin moiety fused to an unrelated protein. UBB consists of three direct repeats of the ubiquitin coding sequence with no spacer sequence. Consequently, the protein is expressed as a polyubiquitin precursor with a final amino acid after the last repeat. An aberrant form of this protein has been detected in patients with Alzheimer's disease and Down syndrome. Pseudogenes of UBB are located on chromosomes 1, 2, 13, and 17. Alternative splicing results in multiple transcript variants. |
| Usage | For Research Use Only! Not for diagnostic or therapeutic procedures. |