



## Mouse KRT5 peptide (DAG-P1492)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

|                              |   |
|------------------------------|---|
| <b>Antigen Description</b>   | The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq, Jul 2008] |
| <b>Purity</b>                | 70 - 90% by HPLC.   |
| <b>Conjugate</b>             | Unconjugated  |
| <b>Sequence Similarities</b> | Belongs to the intermediate filament family.  |
| <b>Format</b>                | Liquid  |
| <b>Preservative</b>          | None  |
| <b>Storage</b>               | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.   |

### GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | <a href="#">KRT5 keratin 5 [ Homo sapiens (human) ]</a>   |
| <b>Official Symbol</b> | KRT5  |
| <b>Synonyms</b>        | KRT5; keratin 5; K5; CK5; DDD; DDD1; EBS2; KRT5A; keratin, type II cytoskeletal 5; CK-5; cytokeratin-5; 58 kda cytokeratin; type-II keratin Kb5; epidermolysis bullosa simplex 2 Dowling-Meara/Kobner/Weber-Cockayne types; keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types); |

|                            |  |
|----------------------------|--|
| <b>Entrez Gene ID</b>      | <a href="#">3852</a>   |
| <b>mRNA Refseq</b>         | <a href="#">NM_000424.3</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_000415.2</a>  |
| <b>UniProt ID</b>          | P13647   |
| <b>Chromosome Location</b> | 12q13.13   |
| <b>Pathway</b>             | Glucocorticoid receptor regulatory network, organism-specific biosystem;           |
| <b>Function</b>            | protein binding; scaffold protein binding; structural constituent of cytoskeleton; |