

# Human Galectin-14 Antibody Monoclonal Mouse IgG<sub>2B</sub> Clone # 511124

Catalog Number: MAB5744

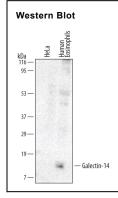
| DESCRIPTION        |   |  |
|--------------------|---|--|
| Species Reactivity | Human   |  |
| Specificity        | Detects human Galectin-14 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human Galectin-1, -2, 3, -4, -7, -8, -10, or recombinant mouse Galectin-9 is observed. |  |
| Source             | Monoclonal Mouse IgG <sub>2B</sub> Clone # 511124   |  |
| Purification       | Protein A or G purified from hybridoma culture supernatant  |  |
| Immunogen          | E. coli-derived recombinant human Galectin-14 Met1-Asp139 Accession # Q8TCE9  |  |
| Formulation        | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.                        |  |

#### **APPLICATIONS**

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

|              | Recommended<br>Concentration | Sample    |
|--------------|------------------------------|-----------|
| Western Blot | 2 μg/mL                      | See Below |

## DATA



Detection of Human Galectin-14 by Western Blot. Western blot shows lysates of human eosinophil. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human Galectin-14 Monoclonal Antibody (Catalog # MAB5744) followed by HRPconjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for Galectin-14 at approximately 10 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot

| PREPARATION AND STORAGE |   |  |
|-------------------------|---|--|
| Reconstitution          | Reconstitute at 0.5 mg/mL in sterile PBS.   |  |
| Shipping                | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C |  |
| Stability & Storage     | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.   |  |
|                         | <ul> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> </ul>  |  |
|                         | <ul> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> </ul>   |  |
|                         | ● 6 months -20 to -70 °C under sterile conditions after reconstitution  |  |

## BACKGROUND

Galectin-14, also known as placental protein 13-like (PPL13), belongs the galectin family of carbohydrate binding proteins. It is expressed intracellularly in placenta and eosinophils and is released by eosinophils following allergen stimulation. Galectin-14 may be involved in the development of allergic inflammation.

