

## LRG1 / Leucine Rich alpha-2-glycoprotein 1 Antibody

Mouse Monoclonal Antibody [Clone LRG1/4882]

Catalog No	Format	Size
116844-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
116844-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
116844-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

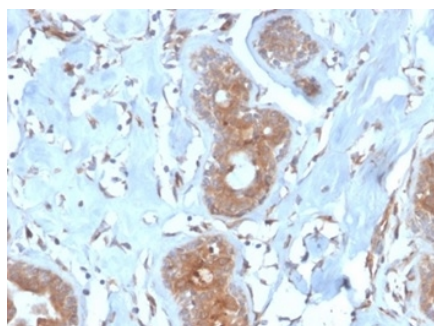
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

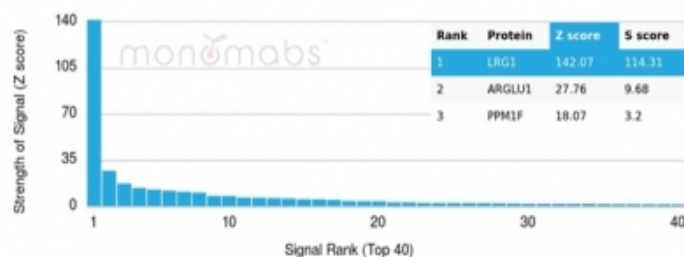
<b>Clone</b>	LRG1/4882
<b>Gene Name</b>	LRG1
<b>Immunogen</b>	Recombinant fragment (around aa 30-180) of human LRG1 protein (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2b / Kappa
<b>Mol. Weight of Antigen</b>	38kDa
<b>Cellular Localization</b>	Secreted
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Human liver, pancreas or breast.

\*Optimal dilution for a specific application should be determined.

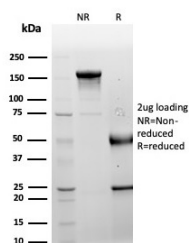
### Product Images for LRG1 / Leucine Rich alpha-2-glycoprotein 1 Antibody



IHC analysis of formalin-fixed, paraffin-embedded human breast. Staining using LRG1/4882 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Analysis of Protein Array containing more than 19,000 full-length human proteins using LRG1-Monospecific Mouse Monoclonal Antibody (LRG1/4882). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE Analysis of Purified LRG1 Mouse Monoclonal Antibody (LRG1/4882).  
Confirmation of Purity and Integrity of Antibody.

### Specificity & Comments

LRG1 (leucine-rich ?2-glycoprotein), also known as LRG, is a 347 amino acid secreted protein that contains 8 LRR (leucine-rich) repeats and one LRRCT domain. The leucine-rich repeat (LRR) family of proteins, including LRG1, have been shown to be involved in protein-protein interaction, signal transduction, cell adhesion and development. Found mainly in plasma, LRG1 is expressed during granulocyte differentiation. The gene that encodes LRG1 consists of nearly 3,000 bases and maps to human chromosome 19p13.3. Chromosome 19 consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin (Ig) superfamily members, including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG families and Fc receptors (FcRs).

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Immunology